



The

# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

0. 3400  
OL. CXLIII

APRIL 7, 1945

Annual Subscription (with  
Diary) 25/- Single copies 9d.

## advance information

### 'M & B 693'

TRADE MARK

BRAND

### sulphapyridine

## price reduction

We are pleased to be able to announce that as a result of reduced production costs, a new schedule of prices for 'M & B 693' preparations will come into operation on **Monday, May 14th.**

Details of the new prices will be published at a later date and the object of this advance notice is to ensure that the change will be made as smoothly as possible and will involve the minimum of inconvenience to our pharmaceutical friends.

Telephone : ILFord 3060 (Extension 68).



MANUFACTURED BY

**MAY & BAKER LTD.**

DISTRIBUTORS

**PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM**

**A**N ACUTE SHORTAGE of cases and packing material together with a staff reduced to its absolute minimum has led to delay in the execution and dispatch of Parke, Davis & Co. orders.

We are doing our best in the face of these difficulties, and we ask for condonation whenever our endeavours fail to realize expectations.

Orders are being dealt with on the fairest basis we can devise; and we urge our pharmacist friends to hesitate before sending us queries or complaints.

The prompt return of packing cases, etc., will be of the utmost assistance.



**PARKE, DAVIS & CO.**  
50 BEAK STREET, LONDON, W.1

*Inc. U.S.A. Liability Ltd.*

# Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

# Elasto

REGISTERED

The Wonder Tablet

## Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

### Varicose Veins

"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon.

AP 1180.

— R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since.

AT 1108.

— F. T.

### Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

### Rheumatism

"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however, afforded me im-

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

**Recommend 'Elasto'—and a satisfied customer will recommend You!**

A SOUND LINE  
A GENEROUS PROFIT

Retail Price 5/- per pkt.  
\* Including purchase tax.

Wholesale 42/- per doz.  
\* Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

**PATA**

## The NEW ERA TREATMENT CO., LTD.

DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1



**'AVLON'**

*brand of*

# SULPHANILAMIDE B.P.

## PACKINGS

### **Powder**

*Bottles of 1 oz., 4 oz., 1 lb., 7 lb.*

### **Tablets of 0.5 gramme**

*Bottles of 30, 100, 500, 1000.*

Obtainable through your usual supplier.

## SPECIALITIES

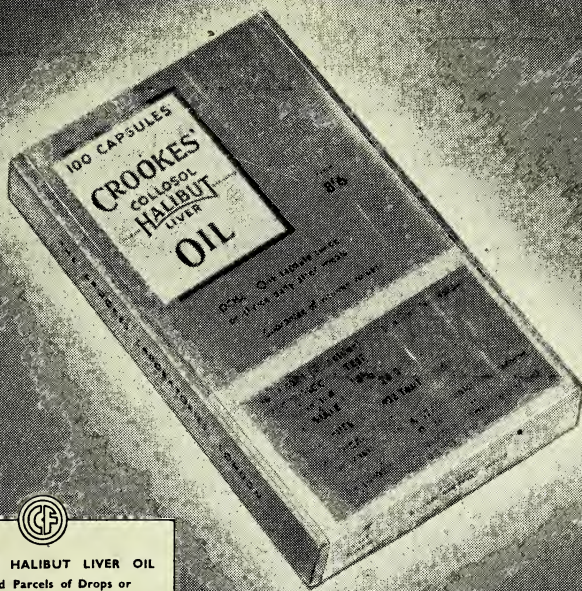
'ANTRYPOL' • 'CETAVLON' • 'LORICIDE'  
'SULPHAMEZATHINE' • 'TRILENE'  
'AVLON' BRAND OF:— EUFLAVINE B.P.C.  
AGRIFLAVINE B.P. • SULPHANILAMIDE B.P.  
SULPHONAMIDE E.O.S. • PHENITONE B.P.  
MELACRINE METHANESULPHONATE B.P.  
TETRACHLORETHYLINE B.P.C. • CRYSTAL  
VIOLET B.P.C. • PROFLAVINE SULPHATE B.P.  
PYRIDINE HYDROCHLORIDE • BRILLIANT  
GREEN B.P.C. • PROCAINE HYDROCHLORIDE B.P.  
MELACRINE HYDROCHLORIDE B.P. • PAMAQUINE B.P.  
PHOTODRINE • PHENOBARBITONE B.P.

Products of

**IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED**

89 OXFORD STREET • MANCHESTER • I





CROOKES' HALIBUT LIVER OIL  
Standard Parcels of Drops or  
Capsules only

PARCEL	Bonus	Sell	£	s	d
PARCEL G = 1 DOZEN 12 x 15 c.c. 5/- Drops Less 25%	1	5/-	3	0	0
10%			15	0	
*Amount of cash with order			2	5	0
			*£2	0	6
PARCEL H = 3 DOZEN 36 x 5 c.c. 2/- Drops Less 25%	3	2/-	3	12	0
10%			18	0	
*Amount of cash with order			2	14	0
			5	5	
			*£2	8	7
PARCEL J = 1 DOZEN 12 x 30 c.c. 9/- Drops Less 25%	1	9/-	5	8	0
10%			1	7	0
*Amount of cash with order			4	1	0
			8	1	
			*£3	12	11
PARCEL K = 4 DOZEN 72 x 5 c.c. 2/- Drops Less 25%	12	2/-	7	4	0
10%			1	16	0
*Amount of cash with order			5	8	0
			10	10	
			*£4	17	2
PARCEL L = 1 DOZEN 12 x 100 Capsules Less 25%	1	8/6	5	2	0
10%			1	5	6
*Amount of cash with order			3	16	6
			*£3	8	10
PARCEL M = 3 DOZEN 36 x 100 Capsules Less 25%	3	8/6	15	6	0
10%			3	16	6
*Amount of cash with order			11	9	6
			1	3	0
			*£10	6	6

# The NEW Packing

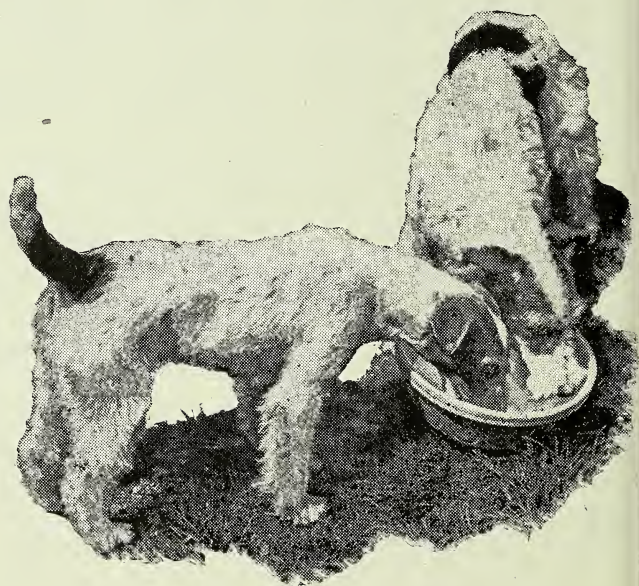
Designed originally to overcome wartime manufacturing and transport difficulties, this new pack has emerged as one that looks really well on the counter (an important sales-building factor) and is handy for the pocket and handbag.

This new pack is now included in our 'L' and 'M' bonus parcels only, but it will become increasingly general as existing stocks of the old packing are consumed.

# Crookes' Halibut Oil

THE CROOKES LABORATORIES (British Colloids Ltd.), PARK ROYAL, N.W. 10  
Telephone: ELGAR 6313 (5 Lines)      Telegrams: COLLOSOLS, HARLES, LONDON

Owing to pressure of work on Government orders, supplies of Bob Martin lines are necessarily limited for the time being. We apologise to our retailer friends for the shortage, and we shall be grateful if they will kindly pass on the explanation to their customers. Bob Martin Ltd., Southport





Established 1878.

# Labels- Cartons- Envelopes-

## & EVERY DESCRIPTION OF MEDICAL PRINTING

### ALF. HARRISON & SONS LTD.

Chemists' Printers  
BURLEY ROAD, LEEDS, 4.

## INDEX TO ADVERTISERS

*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.*

A.B. Products	viii
Abbotsford Trading Co.	Col. Supp.
Acton Pill & Tablet Co., Ltd.	9
Anderson & Reeve, Ltd.	24
Anthony Trading Supplies, Ltd.	Col. Supp.
Ayrton, Saunders & Co., Ltd.	11
Bell, John, Hills & Lucas, Ltd.	Leader Page
Berton, Arthur, Ltd.	12
Boake Roberts, A., & Co., Ltd.	Leader Page
Bob Martin, Ltd.	4
Bourne Optical Co.	xii
British Disinfectant Co.	viii
British Surgical & Drug Co., Ltd.	xi
Brooks Appliance Co., Ltd.	vii
Burgoyne Burdidge & Co., Ltd.	i
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	25
Bush, W. J., & Co., Ltd.	19
Busto, Ruperto	viii
Carnrick, G. W., Co.	8
Chemical Manufacturing Laboratory, Ltd.	xii
Ciba, Ltd.	26
Clements, M., (Chemists' Sundries), Ltd.	xii
Continental Laboratories, Ltd.	21
Coty (England), Ltd.	23
Cox, Arthur H., & Co., Ltd.	Cover iv
Crookes Laboratories (British Colloids, Ltd.)	3
Cussons, Sons & Co., Ltd.	Cover iii
Cyclo Chemicals, Ltd.	vi
Dales Aspirin Co.	9
Daniel, Richard, & Son, Ltd.	11
Dearborn (1923), Ltd.	22
Devon, D.	x
Dominion Steel Corporation, Ltd.	24

(continued overleaf)



## GROWING MEDICAL and PUBLIC DEMAND FOR SEROCALCIN

*Help us to help you by ordering early*

Experience indicates that SEROCALCIN is effective in 80 per cent of cases in the prophylaxis and treatment of colds. It is not surprising, therefore, that the demand is increasing faster than the supply. The national importance of SEROCALCIN at the present time makes it specially desirable to ensure equitable distribution. Please co-operate with us by placing your orders well in advance.

## SEROCALCIN PREVENTS COLDS

Serocalcin is available in two sizes only :

20 tablets 3/4 $\frac{1}{2}$ d. ; 60 tablets 8/5 $\frac{1}{2}$ d. including purchase tax.

HARWOODS LABORATORIES LTD., WATFORD, HERTS.

WATFORD 4457



**INDEX—(contd.)**

Drugs & Toilets (Pty.), Ltd.	iv	Martin, Bob, Ltd.	
Dublin College of Optics	Col. Supp.	May & Baker, Ltd.	Front Cov
Duncan, Flockhart & Co.	iii	Menley & James, Ltd.	
Dunn Bros. Successors, Ltd.	ii	Metag, Ltd.	
E.N.T. Manufacturing Co., Ltd.	9	Monsanto Chemicals, Ltd.	Leader Pa
Enzyme Products, Ltd.	14	National Association of Opticians	v
Everett, S. & R. J., & Co., Ltd.	vii	New Era Treatment Co., Ltd.	
Ex-Lax, Ltd.	14	Newball & Mason, Ltd.	v
Freudenthell, Smith & Co.	ii	Organon Laboratories, Ltd.	
Frishmann, H.	ii	Oxo, Ltd.	
Furnoto Chemical Co. (Factors), Ltd.	ii	Parke, Davis & Co.	Cover
Gardiner & Co. (The Scotch House), Ltd.	x	Peat Products (Sphagnol), Ltd.	
Genatosan, Ltd.	16	Pharman (Birtley), Ltd.	
Glover, T., & Son, Ltd.	viii	Phosferine (Ashton & Parsons), Ltd.	
Gordon & Gotech, Ltd.	ix	Porosan, Ltd.	
Harman Dietetic Laboratories, Ltd.	xii	Potter & Clarke, Ltd.	
Harrington's	Col. Supp.	Pratt, Sir John, & Co.	Col. Sup
Harrison & Co.	xii	Prentice, J., (London), Ltd.	
Harrison, A., & Sons, Ltd.	5	Price, A. S., & Co., Ltd.	
Harwoods Laboratories, Ltd.	5	Proprietary Articles Trade Association	
Health Products Laboratories, Ltd.	16	Ransom, Wm., & Son, Ltd.	
Hinton Mfg. Co., The	xii	Rendell, W. J., Ltd.	
Hirst, Stuart, Ltd.	Leader Page	Riddell Products, Ltd.	
Hough, Hoseason & Co., Ltd.	15	Royal Dental School	
Howard, Lloyd & Co., Ltd.	iv	S.Y.F.T., Ltd.	v
Hunter Beattie Products	iv	Salem (Pulverized Tragacanth), Ltd.	
Imperial Chemical (Pharmaceuticals), Ltd.	2	Salter, George, Ltd.	
Imperial Laboratories	xii	Scurr, C. A.	Col. Sup
International Laboratories, Ltd.	12	Sessions, W., Ltd.	
James, Patrick, & Co.	24	Smith, T. J., & Nephew, Ltd.	
Jeffreys, Miller & Co., Ltd.	9	Soft Drinks Industry	
Kemsales, Ltd.	21	Sumner, R., & Co., Ltd.	
Laboratory Facilities	xii	Thackray, C. F., Ltd.	
Lax & Shaw, Ltd.	v	Thornton & Ross, Ltd.	
Lewis (Import & Export), Ltd.	x	United Chemists' Association, Ltd.	
Liquinure Sales	ix	Verdiers, Ltd.	
London Pharmaceutical Laboratories, Ltd.	22	Virdox, Ltd.	
Luna Inserts, Ltd.	vii	Wesley, Harold, Ltd.	
Mackenzie Medicine Co., Ltd.	8	Whiffen & Sons, Ltd.	
		Whitakers (Kendal), Ltd.	
		Wilcox, Jozeau & Co.	Leader Pa

NOW IN TWO STRENGTHS

# Ovendosyn'

The value of oestrogenic treatment of cancer of the prostate is already clinically established and its potentialities in inoperable breast cancer are now being hopefully explored. Since relatively large doses of stilbæstrol are sometimes required for these two malignant conditions, 'Ovendosyn' Forte has been introduced in addition to the well-known standard 'Ovendosyn' Tablet.

**'OVENDOSYN'***Each tablet contains*

STILBÆSTROL	...	0.5 mg.
CALCIUM PHOSPHATE	...	290 mg.

**'OVENDOSYN' FORTE***Each tablet contains*

STILBÆSTROL	...	5.0 mg.
CALCIUM PHOSPHATE	...	325 mg.

**TRADE AND RETAIL PRICES**

		Face Price Exclusive of Tax	TRADE PRICE per dozen	Purchase Tax per dozen	Minimum Retail Price including P.T.
'OVENDOSYN'	Bottles of 50 Tabs.	3/-	27/-	4/6	3/4½
	" " 250 "	12/5	112/6	18/9	14/-
'OVENDOSYN' FORTE	Bottles of 50 Tabs.	4/6	40/6	6/9	5/1
	" " 250 "	18/7½	168/9	28/2	21/-

MENLEY &amp; JAMES LIMITED, 123, COLDHARBOUR LANE, LONDON, S.E. 5

OFT3

# The post war plans of



## "EYETONE"

Limited quantities of this popular "UCAL" line are now available, and early ordering is advised.

"EYETONE" is a medicinal lotion that soothes inflammation and allays irritation from dust, grit or glare.

### PRICES:

Retail 1/4½. Wholesale 8/6, Plus 16½ P.T.

UNITED CHEMISTS ASSOCIATION LIMITED, UCAL WORKS, CHELTENHAM



# HORMOTONE "T" BRAND

**P.A.T.A.**

To obviate delays in meeting the increasing number of prescriptions for Hormotone "T," chemists are invited to replenish their stocks now.

Orders for "HORMOTONE" "T" Brand or any of the other products listed below can be accepted for *immediate delivery from stock*.

Order through your usual Wholesaler or direct from sole distributors. "HORMOTONE" "T" Brand in bottles of 40 and 250 tablets.

IMMEDIATE SUPPLIES FROM STOCK

**G. W. CARRICK CO.**

20 Mount Pleasant Avenue,  
NEW JERSEY, U.S.A.

**Distributors :**

**BROOKS & Warburton, Ltd.**  
232 VAUXHALL BRIDGE ROAD, S.W.1

*Also available from stock :*

HORMOTONE Brand, bottles of 100 and 500 tablets.  
HORMOTONE Brand without POST-PITUITAR, bottles of 100 tablets.  
TRYPSOGEN Brand, bottles of 100 and 500 tablets.  
TRYPSOGEN Brand (special coated), bottles of 100 and 500 tablets.  
COLOPO Brand, bottles of 40 tablets.

## ANNOUNCEMENT

*John Prentice*  
(LONDON) LTD.

ARE NOW SOLE CONCESSIONAIRES  
IN GREAT BRITAIN FOR THE

**MACKENZIE**  
MEDICINE CO. LTD.

Our selling organization can quickly and efficiently deal with your trade enquiries.

Please address them to us —

JOHN PRENTICE (London) LTD.  
as this will greatly expedite deliveries.

Samples will be gladly forwarded on request.

3, The Exchange, 8/8a, Fenkle Street,  
Muswell Hill, N.10. Newcastle-on-Tyne.

## Sphagnol for the Skin

### Ointment and Soaps

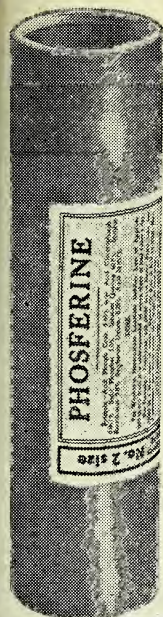
Known and prescribed by the Medical Profession for nearly 40 years. Supplied to the British Red Cross Society (Prisoners of War Dept.) Hospitals and Clinics.

See P.A.T.A. List for prices and bonus terms.

IMMEDIATE DELIVERIES

**Peat Products (Sphagnol) Ltd.**  
3 Carmalt Gardens, Putney, London  
S.W.15





# PHOSFERINE

## TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims, consistently keeps our product before the notice of the Public.

**Make sure your stocks are equal to the demand**

**PHOSFERINE (Liquid and Tablets)**  
available in 2 sizes

No. 1 retails at 1/4 including Purchase Tax

No. 2 " " 3/3 " " "

PHOSFERINE (Ashton & Parsons) Ltd., Phosferine Laboratories,  
King George's Avenue, Watford, Herts.

# MILLAMALT *The* VITAMIN MALT FOOD

Sole Manufacturers,  
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N. 17

With Vitamins (A-2,000 I.U.: D-140 I.U.)  
per fl. oz.

THIS TRADE MARK is a sign of steady sales all-the-year round. E.N.T. Powders and Capsules are profitable lines.

Ask for samples and trade terms.

**PATA**

E.N.T. Manufacturing Co. Ltd.  
431 GLOUCESTER ROAD, BRISTOL 7



**PHARMAN (BIRTLEY), LTD.**

Manufacturers of  
Pharmaceutical Specialities  
BIRTLEY, Co. DURHAM

•• MANOIDS ••  
• NEVROIDS •  
**URICURE TABLETS**  
**OCCASIONAL PILLS**

THE ACTON PILL & TABLET Co. Ltd.  
ASH VALE, SURREY.  
and all Sundries Houses.

We manufacture . . . every variety of

**COMPRESSED TABLETS**

We can  
give deliveries  
on time and  
invite enquiries

for the Manufacturing  
& Wholesale Drug Trade

**The DALES ASPIRIN CO.** (PROPRIETOR)  
(H.A. TOLKIN)

SILSDEN, Nr. KEIGHLEY, Yorks

1896

**P.A.T.A.**

1944

# AFTER THE WAR!

The Post-war Period may be a difficult and anxious time for the Retail Chemist, and every factor making for stabilised prices and safeguarding against price-cutting will deserve his whole-hearted support. For this reason the P.A.T.A. will be of particular value and benefit to the Retail Chemist.

A Fair and Guaranteed Profit is assured to the Chemist on all articles protected by the P.A.T.A. Minimum Retail Prices are enforced and the allowance of dividend, bonus or rebate is prohibited.

Not Only Proprietary Medicines but a wide range of veterinary preparations, antiseptics and disinfectants, infants' and invalids' foods are protected by the P.A.T.A.

Perfumery, Cosmetics and Toilet Preparations, which, in normal times, constitute so large a proportion of many Chemists' turnover, form an important section of the P.A.T.A. List. They too are price-protected at satisfactory profit rates.

The Chemist Should Remember these facts and give the P.A.T.A. his loyal support.

Issued by

**THE PROPRIETARY ARTICLES  
TRADE ASSOCIATION**

## 'SAMAIRITAN' OLIVE OIL

*is not yet available, but*

## 'SAMAIRITAN' OINTMENTS

rank equally high in their class and are available at reasonable prices in 1 oz. and 2 oz. amber jars.



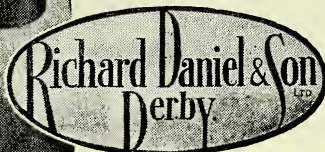
A good range of B.P. and B.P.C. preparations, in addition to several special formulae, are available.

**THORNTON & ROSS**  
Manufacturing Chemists  
LINTHWAITE · HUDDERSFIELD





MANUFACTURERS OF  
**TABLETS**  
AND  
**PILLS**  
For the  
Pharmaceutical  
Trade



Established 1860

'Phone: Derby 4266-7-8. 'Grams: Dania Derby

## EXPORT IN WARTIME

The amount of Ayrton Products carried by sea is greater than ever, but the needs of the Forces decide the destination.

To our Overseas friends we send our greetings and assure them of the return of the Ayrton Service at the earliest opportunity.

34 HANOVER STREET, LIVERPOOL, 1

**AYRTON**  
**SAUNDERS**  
**& CO. LTD.**





# ne Dō-Dō

***aborts an asthma attack . .***

7 TABLETS 1s. 1½d. . 30 TABLETS 3s. 4½d. INCLUSIVE

**INTERNATIONAL LABORATORIES, LTD., CHARLBURY, OXFORD**

## TO CORRECT MALNUTRITION

VIRDOX gives bounding life and vitality to the overworked and new strength to those who are run down. Wartime food needs the added yeast vitamins supplied by Virdox.

► Agents appointed for areas where not at present represented

**VIRDOX**  
REGD.  
**nutrition**

VIRDOX, 75 KINGSWAY, LONDON, W.C.2

**Dr. White's**  
**SANITARY  
TOWELS**

*Made by  
Specialists  
in*

***Surgical Dressings***

"KNITTED COVER OVER  
COTTON WOOL WITH LOOPS"

*Supplies unavoidably restricted at present*

**ARTHUR BERTON LTD.**  
256/260 Old Street, London, E.C.1

BRITISH ALKALOIDS  
AND FINE CHEMICALS

# Whiffen

BROMIDES  
AND  
IODIDES

World conditions may determine  
availability of supplies

MERCURIALS • ATROPINE •  
CAMPBOR • NICOTINE •  
NICOTINIC ACID • SALICIN •  
CAFFEINE • EMETINE •  
QUININE • STRYCHNINE •  
VERMILION • PRUNELLA •  
ESSENTIAL OILS • CLOVE OIL  
SANDALWOOD OIL •  
ALMOND OIL • EXTRACT OF  
IPECAC. LIQ. • DRUG GRINDING

## WHIFFEN & SONS, LTD.

INCORPORATING GEORGE ATKINSON & COMPANY, ESTABLISHED 1654  
FULHAM, LONDON, S.W.6

\*Phone Fulham 0037.

\*Grams Whiffen London



That **SIGN** is still earning you an **ANNUAL BONUS**



If you have a readable 'Ex-Lax' Transparency Sign left on your door or window, rest assured that it is continuing to earn you an annual bonus, even though it may have lost its original freshness. Owing to war-time conditions, the 'Ex-Lax' Representative may not have been able to call some time to pay you the bonus, or bonuses, due. But when he does visit you again, he will pay you any outstanding bonus in full if your sign is still in position.

\* N.B. We regret that war-time restrictions make it impossible to supply new Signs. Thanks to the high quality of signs we have put up in the past, however, we are gratified to find that the majority are reasonably withstanding the ravages of time.



IT STILL PAYS TO DISPLAY

**EX-LAX**

EX-LAX LTD. SLOUGH BUCKS

**PATA**

## YOUR CUSTOMERS

**FLU TO**

The Fast Selling  
Remedy for  
**COLDS, 'FLU**  
**HEADACHES**  
Rheumatic  
Pains, etc

**"Flu To"**  
REGISTERED TRADE MARK  
**POWDERS**  
ALSO IN TABLET FORM

A. S. PRICE & Co. Ltd., BLACKHEATH, B'HAM

## ENZYMES PRODUCTS LTD

Proprietors of

### ENZVITE ENZYGENE

Digestive,  
Stimulating Tonic  
Powder

Compound for the  
Relief of Rheumatism  
Fibrositis, Sciatica  
etc.

**Effervescent CARLSBAD SALTS**  
with added Pancreatic Enzymes

**NERVOTIL TABLETS**  
for Relief of Headache, Neuralgia, etc.

**TRYPSIN (Comm.)**  
Enquire for Particulars

Distributing Agents for  
**ALLIED LABORATORIES LTD.**

**17 Victoria St., London, S.W.1**

Telephone: ABBey 5956

Telegrams: ENZYMES SOWEST, LONDON



# "MOFFS"

## INSECT POWDER

*A pleasant and most effective safeguard against all forms of insect life . . . . .*

"MOFFS" the scientifically formulated Insect Powder is a certain profit maker. Harmless, reliable and free flowing, "MOFFS" destroys Moths, Beetles, Cockroaches, Fleas, Bugs, Ants and their eggs and grubs.

PACKED IN ATTRACTIVE LARGE DRUMS WITH SPRINKLER TOP.

**RETAIL : 1/3 (Tax Free)**  
**COST : 10/- Dozen**  
**BONUS : 13 to dozen gross lots**

AVAILABLE ALSO IN TABLET FORM  
 —PACKED IN DRUMS. RETAIL 5½d.  
 (Tax Free). COST : 3/6 Dozen.

SAMPLES FREE ON REQUEST

*Restricted to Chemists only*  
 Made by  
**HOUGH, HOSEASON & CO., LTD.**  
 Manufacturing Chemists  
**PENDLETON - - MANCHESTER**  
 MEMBERS OF THE P.A.T.A.

## CONCENTRATED



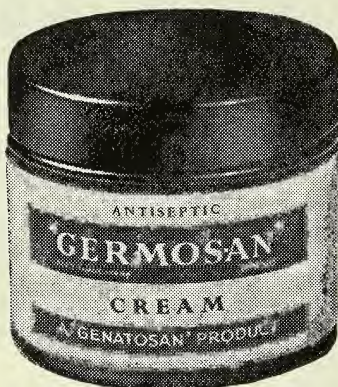
## A Superb Beeftea

Beef-tea, made from Concentrated OXO, contains the physiological stimulants of beef which aid assimilation, promote muscular activity and act as restoratives in debility.

*Concentrated OXO contains 0.5-0.6 Mg/Gm of the Vitamin Niacin (References : Drummond & Moran, Nature 1944, 153, 99, Frankau, B M J, 1943, 11, 601).*

# 'GERMOSAN' CREAM

(Brand)



*Presenting a powerful antiseptic incorporated in a non-greasy emollient base.*

'Germosan' Cream contains the bactericide chloroxylenol and the healing agent allantoin; it is an effective, antiseptic, soothing and healing application for cuts, abrasions, burns and inflammatory skin affections.

In 2-oz. jars

Retail 1/8 (Tax inc.) Trade 12/- (Tax ex.)

**GENATOSAN LTD., LOUGHBOROUGH, LEICS.**

Telephone: Loughborough 2292

*Be Wise!*

**SELL THESE TESTED  
DYES**

**AUROLAL  
COLD WATER  
DYES 6<sup>d</sup>.**

**WINNER  
STOCKING AND  
HOME DYES 3<sup>d</sup>.**

MADE & NATIONALLY  
ADVERTISED BY

**WHITAKERS OF KENDAL**

WRITE FOR PARTICULARS

## VIKELP

Nutritional Food Tonic

*contains 10  
essential Minerals  
and Vitamin B<sub>1</sub>*

This perfectly balanced Food Tonic  
can be recommended with every  
confidence in cases of

**TIREDDNESS, DEPRESSION,  
LASSITUDE, GENERAL DEBILITY**

Obtainable from your regular wholesaler, or  
J. C. Gambles & Co., Ltd., 211/215,  
Blackfriars Road, London, S.E.1.

**HEALTH PRODUCTS LABORATORIES LTD.**  
128-134 Baker Street, London, W.1



# POTTER'S *potterings*



Accurate dosage and sterility guaranteed—  
 AMPOULES — BOUGIES — ANÆSTHETICS — FRIABLE  
 CAPSULES—MICROSCOPIC REAGENTS—OPHTHALMIC  
 PREPARATIONS—ANALYTICAL SOLUTIONS—  
 CATHETER LUBRICANTS—HYPODERMIC TABLETS—  
 PESSARIES—CACHETS—SUPPOSITORIES—INDICATORS  
 ETC.

## POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1

Phone: B1Shopgate 4761. Grams: Horehound, Phone, London

77 DANTZIC STREET, MANCHESTER

Phone: Blackfriars 8734 - Grams: Horehound, Manchester

*Sim*

THE high standard of advertising which characterises Rendell's Products is in keeping with their excellence of manufacture. The pharmacist who displays Rendell's Products increases prestige and turnover alike. Keep ample stocks of Nurse Drew's Booklet, "Hygiene for Women," which thousands of women are demanding daily.

*Rendell's*

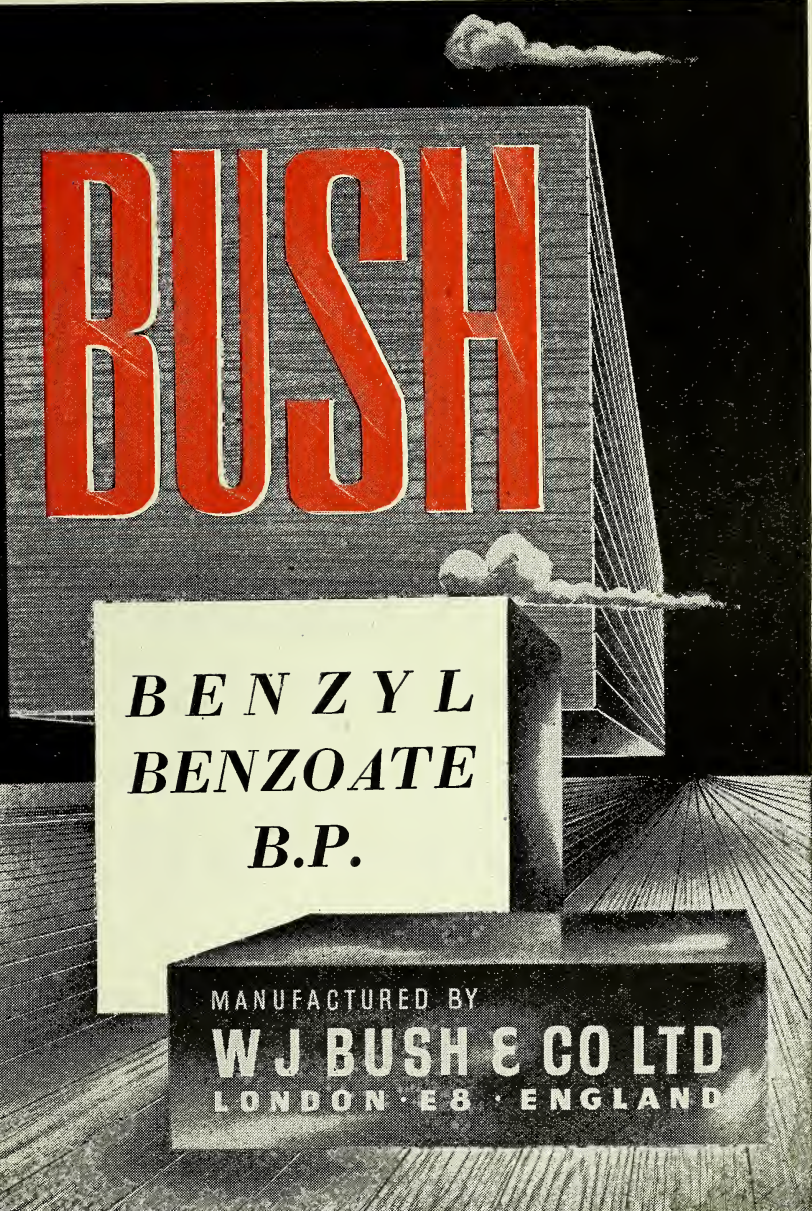
**PATA**

**PRODUCTS**

FOR FEMININE HYGIENE

W. J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1





# BUSH

*BENZYL  
BENZOATE  
B.P.*

MANUFACTURED BY

**W J BUSH & CO LTD**  
LONDON · E 8 · ENGLAND



# EXTRACTS

TINCTURES RESINOIDS  
OLEO-RESINS MEDICINAL RESINS

## BELLADONNA and HENBANE PREPARATIONS

From Plants grown on our own Farm

## CHLOROPHYLL

**WILLIAM RANSOM & SON**

ESTABLISHED 1846

*Ltd.*

*Manufacturing Chemists*

**HITCHIN, HERTFORDSHIRE**



*In these trying times —*



### INDICATIONS

General fatigue and debility, hypertension, infective conditions, night blindness.

### PACKINGS AND PRICES

80 tablets.. .. 3/4½  
250 tablets.. .. 9/6  
1000 tablets.. .. 30/7½

(Including Purchase Tax) **PATA** List

**CAROVIT**  
BRAND  
CHLOROPHYLL TABLETS

101 Great Russell St. LONDON, W.C.1  
Telephone: MUSeum 2042-3

CONTINENTAL LABORATORIES LTD.

*'A tin of  
BESORBON, please*

*'People say  
BESORBON is good'*

*Do you stock  
BESORBON?'*

*'I've heard  
BESORBON  
is excellent  
for Colds'*



The demand for BESORBON medicinal snuff increases during the winter, and a display on your counter is a further reminder. Order by the dozen so as to obtain this attractive counter display box. Obtainable through all registered Wholesale Chemists

**KEMSALES LTD**  
20 EASTCHEAP LONDON E.C.

## THE ROYAL DENTAL HOSPITAL of LONDON

SCHOOL OF DENTAL SURGERY  
(University of London)

Leicester Square, London, W.C.2

Men and Women Students are admitted for the Curriculum for the B.D.S. Degree and the L.D.S. Diploma in January, May and October.

**HOSPITAL PRACTICE.**—The School is furnished with modern equipment, and the Clinic of the Hospital is unrivalled. Students may attend the operations in the In-Patient Department, and chair-side instruction is given in Advanced Operative Technique and Orthodontics.

**DENTAL PROSTHETICS.**—The Mechanical Laboratory is a spacious and fully equipped department, under the direction of the Lecturer in Prosthetics.

**HOUSE APPOINTMENTS.**—Six Senior House Surgeons and fifteen ordinary House Surgeons are appointed every year.

**SCHOLARSHIPS.**—A number of Scholarships, Bursaries and Prizes are awarded annually, including an open Entrance Scholarship of £50.

Applications for further particulars and School Calendar are invited by **THE DEAN.**

# If there's delay

in supplying all your orders for  
Mercolized Wax, Clymol Berries for  
Obesity and the rest of our lines,  
don't blame us—Blame the War.

But we will soon be back in full pro-  
duction, so please continue to send  
your enquiries to

**DEARBORN (1923) LTD.**

"Kern House," 36/38 Kingsway, London, W.C.2

**'SUPER SHAVE'**  
*for 'Super' Sales*

*and for the  
perfect BRUSHLESS  
shave with  
after-shaving  
freshness!*



'SUPER SHAVE,' the last word in  
brushless shaving creams, is fast be-  
coming first favourite. . . . Display  
and recommend 'SUPER SHAVE'  
and see how it speeds up sales as  
well as speeding up shaving.

'SUPER SHAVE' represents SUPER  
VALUE plus QUALITY to merit your  
confident recommendation. Stock up  
NOW for steady, satisfactory sales.

RETAILS AT  
1/10 4 oz. Jar  
1/2 2 oz. Jar

Obtainable at Chemists and Hairdressers' Sundriesmen

LONDON PHARMACEUTICAL LABORATORIES, LTD. 24 THORNSETT ROAD, LONDON, S.W.13

BRUSHLESS

**SUPER  
SHAVE**

SOAPLESS





## FRONTIERS CHANGE

*but she remains constant*

**M**AN may redraw the map of the world—but will women change? Not so very much. The world may don a fair or ugly countenance but women will always wish to be beautiful. Fashions, in how to make the most of their natural attractions will, of course, change. Taste will become more discerning.

In step with these changes, if not setting the tempo, will be Coty. What Madam wants—Coty will provide. You will be proud to stock Coty creations. Their reputation will stimulate a demand, which should keep them passing steadily across your counter.

# COTY

TEMPORARY ADDRESS: COTY (ENGLAND) LIMITED, 41 HIGH STREET,  
LEIGHTON BUZZARD, BEDS. TELEPHONE: LEIGHTON BUZZARD 2383

*Protected by the P.A.T.A.*

# RIDDOBRON ASTHMA INHALANT

HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE  
MOST EFFICIENT TREATMENT FOR

## ASTHMA, BRONCHITIS AND EMPHYSEMA

BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING  
TO THE CONSTANT FLOW OF REPEAT ORDERS.

**INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON  
TO ALL YOUR ASTHMATIC CUSTOMERS**

### SPASMOPURIN SUPPOSITORIES

Adjuvant to RIDDOBRON inhalation Treatment.  
Angina Pectoris, Arteriosclerosis, Dysmenorrhoea.

### RIDDOSAN INHALANT

Adjuvant to RIDDOBRON Inhalation Treatment.  
Indispensable for: BRONCHITIS, LARYNGITIS,  
TONSILLITIS, CATARRHS, HAYFEVER,  
HOARSENESS AND SORE THROAT.

**RIDDELL INHALERS GUARANTEE THE BEST RESULTS**



### RIDDELL PRODUCTS LIMITED

"THE LEADING HOUSE FOR INHALATION THERAPY"

**AXTELL HOUSE, WARWICK ST., LONDON, W.1**

Also at 12 Mosley Street, Manchester

**PATA**



5 shades packed in colourful  
boxes and powder-proof bags.  
RACHELLE, NATURAL, PEACH,  
OCHRE ROSE, ROSETAN,  
CREOLE. Your orders for this  
Nationally Advertised Com-  
plexion Powder can be executed  
promptly.

**1/4 & 4/-**

INCLUDING TAX

All enquiries to—

ANDERSON & REEVES LTD., 157/161 REGENT ST., W.1.  
Telephone: Regent 1965.

Orders for  
Lipstick Refills  
accepted for  
delivery as and  
when available  
under quota  
restrictions.

**2/8**

INCLUDING  
TAX

### PERFUME COMPOUNDS & ACCESSORIES

BY

Patrick James & Co.  
Excellent Compounds  
at economical prices

*Details on Request*

### PATRICK JAMES & CO.

CREEK HOUSE  
KINGSTON-ON-THAMES

British Made **AMPOULE FILES**  
are now available

We are now in a position to manu-  
facture large quantities of Ampoule  
Files and invite inquiries

### DOMINION STEEL CORPORATION LTD.

"FLEET" WORKS  
QUEEN'S ROAD, SHEFFIELD, 2



# DIGOXIN

'B. W. & CO.'

MILLIGRAMS OF  
DIGITALIS ACTIVITY



Digoxin, being a definite substance of constant composition and activity, offers an unsurpassed degree of precision in digitalis therapy. Digoxin is a pure, crystalline glycoside from *Digitalis lanata*, discovered in the Burroughs Wellcome & Co. Laboratories. It satisfies the established criteria for a reliable, potent digitalis preparation.

'TABLOID' <sup>BRAND</sup> DIGOXIN compressed products for oral administration

'HYPOLOID' <sup>BRAND</sup> DIGOXIN ampoules of solution for intravenous injection

SOLUTION OF DIGOXIN 'B. W. & CO.' for oral administration



**BURROUGHS WELLCOME & CO.**

(The Wellcome Foundation Ltd.)

LONDON

# CIBAZOL

REGISTERED TRADE MARK

## *Sulphathiazole Ciba*

## FURTHER REDUCTION OF PRICES

on and after April 9, 1945

							<i>Old List Price</i>	<i>New List Price</i>
★	<b>TABLETS OF 0.5 g.</b>							
	Bottles of 25	..	..	..	..	..	4/-	3/-
	Bottles of 100	..	..	..	..	..	15/6	10/6
	Bottles of 500	..	..	..	..	..	75/-	48/6
★	<b>POWDER</b>							
	Bottles of 15 g.	..	..	..	..	..	4/6	3/6
	Bottles of 500 g.	..	..	..	..	..	149/6	96/6
	<b>POWDER with PROFLAVINE</b>							
	Bottles of 15 g.	..	..	..	..	..	5/-	4/-
	Bottles of 500 g.	..	..	..	..	..	165/6	106/9
★	<b>CREAM and OINTMENT 5%</b>							
	Containers of 1 oz...	..	..	..	..	..	3/-	2/6
	Containers of 1 lb...	..	..	..	..	..	37/6	22/6
★	<b>AMPOULES OF 5.5 c.cm.</b>							
	Boxes of 6	..	..	..	..	..	8/-	6/-
	Boxes of 25	..	..	..	..	..	30/-	22/6

*Above prices are subject to a discount  
of 33½% to the Retail Trade.*

★ Exempt from Purchase Tax.

Supplies of CIBAZOL, introduced in 1940 as CIBA 3714, are available in the form of Tablets, Powder, Cream, Ointment, and Ampoules to meet normal requirements.



**THE LABORATORIES, HORSHAM, SUSSEX.**

Telephone : HORSHAM 1234.

Telegrams : CIBALABS, HORSHAM





# The CHEMIST AND DRUGGIST

For RETAILER — WHOLESALE — MANUFACTURER

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

Emergency Address:

17 ARGYLE STREET, BATH

Telephone: Bath 5492

## CONTENTS

	Page		Page
Approved Proprietary Insecticides ..	361	N.H.S. in Prospect ..	356
Coming Events ..	345	Parliamentary News ..	341
Company News ..	342	Personalities ..	345
Correspondence ..	364	Pharmaceutical Committees and N.H.I.	355
Deaths ..	344	Pharmaceutical Export Group Report	347
Editorial Articles:—		Photography by Discharge Lamp ..	351
A Report on Veterinary Practice ..	353	Professor Todd on Apprenticeship ..	348
Trading with France ..	353	Sight-testing Equipment ..	350
A New Weed-killer ..	354	Staphylococcus Test ..	357
Drug Trade in Eire ..	354	Topical Reflections ..	343
Guild or Trade Union? ..	348	Trade Marks ..	364
Hot Springs Delegate on Trade Policy	349	Trade Notes ..	346
In the Courts ..	342	Trade Report ..	362
Information Department ..	352	Veterinary Abstracts ..	361
Marriages ..	344	U.C.A. Debates Northern Ireland Bill	358

## NEWS OF THE WEEK

**Price-fixing Order.**—Face cloths and slide fasteners are among articles for which prices have been fixed by a new Order made by the Board of Trade (S. R. & O., 1945, No. 300). Retailers of these goods, and of brass safety and white brass pins, must now display a notice giving in prescribed form the maximum prices, and manufacturers and wholesalers must provide the information with their first delivery of goods after April 2, the date on which the Order came into operation.

**Financial Agreement with France.**—A financial agreement reached between Great Britain and France on March 27 provides that the franc-sterling exchange rate will be modified only after mutual consultation. Financial claims arising from the war are waived between the two countries, and the settlement of other claims of long standing will include the supply by Britain of certain goods and services to France, details of which will be agreed later.

**Postal Service to Italy.**—From April 2, the limit of weight for letter and letter-

packets for parts of Italy to which a postal service from Britain is in operation has been increased to 2 lb. (postage threepence for first oz. and three-halfpence for each additional oz.). Contents must be limited to correspondence and documents, and business communications must be confined to ascertaining facts and exchanging information. Senders must also comply with the censorship regulations.

**Mails to Holland.**—The postal service to the liberated areas of Holland has been extended to include private and business letters not exceeding 1 oz. in weight. Business correspondence is still restricted to ascertaining facts and exchanging information. The rates of postage are: Letters, threepence (limit of weight, 1 oz.); post cards, twopence. Correspondence is not accepted for registration, insurance or express delivery; and no air-mail, money-order or parcel-post service is available.

**Insurance Ministry Starts to Operate.**—The Ministry of National Insurance on April 1 took over from the Ministry of

Health, the Welsh Board of Health, Department of Health for Scotland, and Ministry of Labour and National Service, the administration of existing social insurance schemes; and from the Home Office its duties in connexion with the Workmen's Compensation Acts. The provision of medical benefits remains the responsibility of the health departments.

**Pharmacy Students' Group.**—The Bristol and South-western Section of the British Association of Chemists recently inaugurated a group for chemistry and pharmacy students at the Merchant Venturers' Technical College, Bristol.

**Administration of Foods and Drugs Act.**—Fleetwood Council is to ask the Food Ministry to transfer the administration of the Foods and Drugs Act from Lancashire County Council to local councils in order to secure greater efficiency in food inspection.

**"Cease Fire" Holiday.**—A statement issued by the Ministry of Labour and National Service recommends that, when the "cease fire" is sounded in Europe, there should immediately be for industry two days' holiday with pay, followed later by another day's holiday, both subject to essential services being maintained.

**Eire Benevolent Fund Subscriptions.**—Miss Christine O'Reilly, M.P.S.I. (treasurer of the Eire Pharmaceutical Benevolent Fund dance committee), issued recently a list of subscribers with details of contributions totalling £261 5s. Miss O'Reilly announces a profit for 1944 from dance and subscriptions of £390, which is being handed over to the Fund.

**Small Traders' Questions Answered.**—The Holborn Chamber of Commerce has issued a brochure containing a number of questions and answers on issues of importance to retail traders. It covers the intentions of multiple trade organisations, rent of shop premises, assessment and help for traders whose premises have been destroyed by enemy action. Reprints may be obtained from the secretary of the Chamber at 8 Warner Street, London, E.C.1.

**Plymouth Branch Officers.**—At the annual meeting of the Plymouth Branch of the Pharmaceutical Society, the retiring chairman (Mr. W. F. E. Eustace) invested Mr. J. Smith (head of the pharmacy department, Plymouth Technical College) with the chain of office as *Chairman* for the ensuing year. Mr. Burrows (Balkwill & Co.) was elected *Vice-chairman*, and Mr.

Ramsden was appointed *Treasurer*. The *Secretary* (Mr. A. G. Madge) was re-elected.

**Medical Profession and N.H.S.**—Alternative proposals for the administrative structure of a National Health Service have been agreed recently by a negotiating committee of the medical profession, helped by Government representatives, and the proposals are now being referred to the medical profession as a whole. If and when they receive the support of the profession, the Minister of Health will then consider to what extent they are acceptable to the Government.

**Serving Members Entertained.**—Two members of the Plymouth Branch of the Pharmaceutical Society were entertained to dinner recently while on leave from war service. They were Staff-Sergeant G. P. Oates, on leave from India, and Mr. H. Toy, from the mines. Both gave vivid descriptions of their experiences, environment and conditions, and expounded their views on post-war pharmacy. So that similar honour can be done to other serving pharmacists, members on leave are asked to contact the Branch secretary.

**An Early Co-operative Pharmacy.**—An illustrated description of the Sussex Co-operative Drug Stores, which was started at 135 Queen's Road, Brighton, in March 1876, by John Shepherd and a few friends, was given in the "Co-operative News," March 10. In 1890 a limited company was formed to take over the business, Shepherd becoming the secretary and manager, and during the next few years further branches were opened at Church Road, London Road, St. James's Street, Western Road, Lewes Road and St. George's Road, Brighton. Shepherd died in 1908, and it is understood that the Society ceased to exist in that year.

**Colonial Medical Research Committee.**—The Secretary of State for the Colonies and the Medical Research Council have jointly created a Colonial Medical Research Committee under the chairmanship of Sir Edward Mellanby, K.C.B., F.R.S. (secretary, Medical Research Council). The members are: Colonel J. S. K. Boyd, R.A.M.C.; Professor P. A. Buxton, F.R.S. (professor of entomology, London School of Hygiene and Tropical Medicine); Dr. A. N. Drury, C.B.E., F.R.S. (director, Lister Institute of Preventive Medicine); Brigadier N. Hamilton Fairley, C.B.E., F.R.S.; Dr. W. H. Kauntze, C.M.G., M.B.E. (Chief Medical Adviser to the Secretary of State for the Colonies); Professor B. G. Mac-



raith (professor of tropical medicine, Liverpool School of Tropical Medicine); Dr. B. S. Platt (Director of Human Nutrition Research Unit, Medical Research Council); Major-General Sir John Taylor.

**Australian Shippers' Association.**—Matters of special importance to British export trade were dealt with at the annual meeting of the Australian and New Zealand Merchants' and Shippers' Association on March 1, when a report by the committee of the Association expressed concern at a prohibition by New Zealand of the importation of certain items formerly shipped from this country. The prohibited list, it was stated, was continually being extended, and the Committee considered there should be a larger measure of reciprocity. The serving committee and officers were re-elected.

**St. Joseph's Society Annual Meeting.**—The pharmacy branch of the St. Joseph's Young Priests' Society, Eire, with eight students allocated to it, has paid over £1,300 to the Society for their education. This sum, with about £200 for expenses, represents a collection of some 60,000 sixpences by the branch since it was founded five years ago. During the year just closed the branch has handed over £300. These facts were given in his presidential address by Mr. A. E. Holmes (chairman) at the annual meeting of the branch on March 18. Membership of the branch now stands at approximately one thousand. The Medical Guild during 1944, however, "has only barely managed to exist." Surgical goods to the value of £8 were dispatched to the Missionary Sisters.

## PARLIAMENTARY NEWS

**Penicillin for the Colonies.**—The Secretary of State for the Colonies (Colonel Stanley) said on March 21 that supplies of penicillin were now available from the United Kingdom, the United States or Canada, as was most convenient, for civilian use on the same basis as in this country. Briefly, this permitted the treatment of all civilian cases for which penicillin was known to be effective.

**Enemy Patents After the War.**—In the House of Lords on March 22, Lord Vantittart asked the following questions on enemy patents: Why the power to vest enemy patents in the Custodian of Enemy Property had not been exercised; what was the number of enemy applications lodged with the Patent Office and still secret; what facilities, if any, had been granted to industry to make the subject-matter of such applications available for investigation and potential working; whether the system adopted in this country in granting emergency licences to work enemy inventions was held to be as adequate and satisfactory as the procedure that had been adopted in the United States; and whether enemy patents would remain in the possession of, or revert to, the enemy after the cessation of hostilities. The Lord Chancellor replied that a committee was sitting to consider what changes, if any, were desirable in the Patents and Designs Act, and in the practice of the Patent Office and the Courts. The number of enemy applications for patents which had not been carried through at the outbreak of war was about 400, and the law

by which these would normally be kept secret until the full patent was granted had been modified under the Emergency Powers legislation, so that these patents had been open to the inspection of the fighting and supply departments. British industry was at this moment using what was useful in the applications. As to the fate of German patents, he had told the House last January that the benefits of enemy assets in this country would not be realised by enemy subjects. He stood by that, and could not regard it as in the least likely, in the light of what was now known, that these patents would be allowed to revert to a defeated enemy.

**Toilet Paper Supplies.**—The President of the Board of Trade (Mr. Dalton) said on March 20 that allocations of toilet paper had been substantially increased in December 1944, and increased supplies would reach the shops as soon as the paper could be manufactured and distributed. **LIEUTENANT-COLONEL WICKHAM:** Is the Minister aware that there have been complaints not only from the general public and from public authorities, but also from the "Association of Pharmacists," that there has been no perceptible improvement in the situation? Can he say when there will be an improvement? **MR. DALTON:** In this matter we have been living largely on stocks, which are approaching exhaustion. I have, however, made vigorous efforts to increase production, and we have now passed more than three-quarters of the pre-war rate of production which, in the sixth year of the war, is not too bad.

## IN THE COURTS

**Excessive Price for Combs.**—At Hanley, on March 20, Philip Bloom, Park Avenue, Hanley, Stoke-on-Trent, a director of the Potteries Toilet Co., Ltd., was fined £87 and ordered to pay £10 10s. costs on ten summonses for selling combs and brushes at above the maximum price.

**Opium Den Raid.**—Fines totalling £17 were imposed on five persons, three of them Chinese subjects; and a sentence of two months' imprisonment was passed on King Lee Sang, for offences in connexion with opium smoking, discovered during a mid-night raid on an opium den in the West End of London, recently.

**Razor-blades at Excessive Price.**—At Preston police court recently, Jesse Smith Turner, salesman, Blackpool, described as "the razor-blade king," was fined £10 on each of six charges of selling razor-blades at more than the permitted price, and £5 on each of six charges of failing to keep copies of invoices for twelve months.

**Combs Overcharge.**—At Woking, on March 3, George Stearn, military tailor, Duke Street, Woking, was fined £150, with £10 10s. costs, or three months' imprisonment, for selling three combs at above the legal controlled price. For one comb, which should have been sold at 8d., he charged 2s. 6d. For the others, also sold at 2s. 6d., the controlled price was 1s. each.

**Excessive Illumination.**—At Bow Street, London, magistrates' court, recently, Ascott's Pharmacies (1933), Ltd., Colnbrook, Bucks, were fined £3, with £5 costs, for using, at their branch at Coventry Street, London, W., electricity for illumination in excess of 1½ watts for every sq. ft. of area. It was stated that a total of 750 watts was being used on November 28, 1944, instead of a permitted 450 watts.

**Pharmacy Act Infringement.**—At Shrewsbury, recently, Ernest James Bayley, Ernest Alex Bayley, and John Taylor Armstrong, trading as E. H. Bayley & Sons, seedsmen, were fined £3 for selling phenol on February 6 without being on the County Council's list of sellers of poisons, and without effecting the sale at premises specified on that list. A further fine of £3 was imposed for selling the phenol in a container not labelled in the prescribed manner. It was stated that a test purchase of a tin of a composition used for spraying fruit trees was made by an inspector of the local council, and that the product was found to contain 8 per cent. w/w of phenol.

## COMPANY NEWS

**TONOIDS, LTD. (P.C.).**—Capital £1,500. Manufacturing chemists, chemists' sundries, etc. Thomas Lloyd, M.P.S., and Mr. Naomi Lloyd, directors. R.O.: 3 Kir Street, Plymouth.

**HUDSON (CRANBROOK), LTD. (P.C.).**—Capital £100. Chemists, druggists, etc. Mary C. and Ronald H. Hudson, and Phyllis M. Bayfield, directors. R.O.: Ston Street, Cranbrook, Kent.

**W. H. GOY, LTD. (P.C.).**—Capital £2,000. Dispensing and general chemists, etc. William H. Goy, M.P.S., director. Solicitors: Ernest G. Scott & Co., 31-32 Broad Street Avenue, London, E.C.2.

**A. F. FAIRLEE, LTD. (P.C.).**—Capital £2,000. Dispensing and general chemists, etc. Alfred J. Fairlee, M.P.S., director. Solicitors: Ernest G. Scott & Co., 31-32 Broad Street Place, London, E.C.2.

**FEMS SURGICAL SUPPLIES, LTD. (P.C.).**—Capital £5,000. Manufacturers of sanitary towels, toilet requisites, surgical dressing, etc. J. N. Liversage and Donald Ormerod, directors. R.O.: 51 Fountain Street, Manchester, 2.

**INDUSTRIAL & SCIENTIFIC INSTRUMENT LTD. (P.C.).**—Capital £1,000. Designers and manufacturers of instruments and equipment for the medical, chemical and other industries, etc. Walter A. Ne John G. Davis, and Stanley J. War, directors. R.O.: 15-17 Tavistock Place, London, W.C.1.

**LEWIS & BURROWS, LTD.**—Dividend on ordinary shares for year to September 3, 1944, is 5 per cent.

**UNITED GLASS BOTTLE MANUFACTURERS LTD.**—A final dividend on the ordinary shares of 6 per cent., together with a cash bonus of 2½ per cent., has been announced for 1944.

**BEECHAMS PILLS, LTD.**—A third interim dividend of 17 per cent. has been declared, with the interim dividends already paid, a total of 32 per cent. for the year March 31.

**ASCOTT'S PHARMACIES (1933), LTD.**—Following the resignation of Mr. S. Smith, M.P.S., as managing director, Mr. J. Kerman is taking the position whilst remaining chairman of the board. Mr. A. Deitsch, M.P.S., has been appointed a director and has taken over the superintendence from Mr. S. Smith as from March 31.



## TOPICAL REFLECTIONS

### B.E.T.R.O.

The British Export Trade Research Organisation, particulars about which appear on pp. 316 and 327, is manifestly destined to play an important part in re-starting the hard-hit export trade of this country. The view, lately expressed, that Government departments are paying only lip-service to our export trade is too severe: it is nearer the mark to adapt an old phrase and say that in this sphere civil servants have a zeal, but not according to knowledge. The common experience of those daily occupied with such matters is that official statistics are good so far as they go, though frequently failing to supply the detailed analysis required by exporters. The necessity of adequate preparation for entering overseas markets can hardly be overstressed. In this connexion it is satisfactory to read that B.E.T.R.O. will work in close association with a specialised advertising service. In a conversation with a director of one of our leading manufacturing houses some years ago, a question of advertising policy was mentioned; and I remember the director saying, in effect: "If we do so-and-so, we may hit our friends as well as our rivals." The application of this principle is obvious. Concerted study of commercial conditions in the Empire and in foreign countries should obviate undesirable clashes. The comprehensive plans published include provision for affiliation with trade associations: this will enable manufacturers who work on a comparatively small scale to keep in touch with B.E.T.R.O.

### Not Too Easy

The article "Thirty-three Years On" (p. 332) is one of the most factual accounts of National Health Insurance dispensing that I have seen, and affords ample justification for improved terms of service for panel chemists. In this section last week I commented, to the extent that my space permitted, on the bare and unsystematic character of some of the formulas in the National War Formulary; I was then about to add that an intelligent patient prefers, other things being equal, to be given a detailed prescription rather than one consisting of a one-line reference to a published formula. In the prescription for a spray solution printed on p. 333 your readers have a companion picture forming a striking contrast to any of those indicated last week. In this case the patient must have realised that he or she was getting good

value, on the face of it, for the weekly fourpence (or whatever the present rate is): the dispensing chemist may not have felt so satisfied. An experienced dispenser would presumably make 1,000 minims of the solution and discard the odd forty minims after supplying the 3ij. prescribed; but how would he weigh 0.4 grain of homatropine hydrobromide and similar fractions of a grain of two other ingredients? And how much profit, if any, would there be on the completed transaction? Most of the other "rather unusual" items cited in your article can be justified on some ground or other; but what was the purpose of the 2 oz. of oil of peppermint, costing, according to your most recent Dispensing Price List, 11s. 3d. per oz.? That quantity, worked up into lozenges, would have sufficed to aromatise a dozen Victorian rural churches on a Sunday.

### Proprietary Medicines in 1783

From a news paragraph on p. 315 I learn that Mr. R. H. Kemp has been tracing the history of proprietary medicines. At the time of the passing of the Pharmacy and Medicines Act of 1941, it struck me as odd (though perhaps it was only symptomatic of lack of interest) that, so far as my reading extended, nothing substantial regarding the history of proprietary medicines appeared in any English newspaper or magazine outside the technical Press. That lost opportunity does not affect your readers, who can consult various articles in the *C. & D.* and its Diaries whenever they are so inclined. The standpoint of the retail chemists of 1783 is not difficult to appreciate if one reads contemporary records with due attention. Their chief anxieties were, first, uncertainty as to the interpretation of the Act; and, secondly, the activities of the common informer, then and for some years afterwards a public pest. Francis Spilsbury, a chemist in Soho Square, London, was active in setting forth the chemists' case in the Press. On September 1, 1783, the day before the first Medicines Stamp Act came into force, he wrote in "The Morning Chronicle," apropos of difficulty of interpretation: "Eminent Counsel have been consulted on the occasion. They disagreeing, application to the Attorney-General became absolutely necessary to clear up certain points. . . . The Attorney's answer is waited for with great anxiety in London, which may in some measure alleviate their fears of a general stop to trade." **Xrayser**

## MARRIAGES

**HUGGINS—BEAVERS.**—At Reading, on March 28, Ronald G. Huggins (a director of John Ronaldson & Co., Ltd., drug merchants, London) to Daisy Beavers, York.

**SHRIVE—BLACKBURN.**—At St. Paul's, Blackpool, on March 24, Bernard Shrive, M.P.S. (photographic unit, Royal Air Force), 347 Kensington High Street, London, W.8, to Pauline Blackburn (Lancs Insurance Committee), Blackpool.

## DEATHS

**CHAMBERS.**—On August 31, 1944, Mr. Cecil James Chambers, M.P.S., 109 Alfreton Road, Nottingham. He qualified in 1920.

**COATS.**—At Edinburgh, on March 26, Mr. John Thomson Coats, Ph.C., 29 Fairmile Avenue, Edinburgh, aged eighty-three. Mr. Coats, who retired five years ago, was previously for fifty-six years in business as a chemist in Edinburgh, and was one of the oldest members of the Pharmaceutical Society. His original business was established at Tolbooth Wynd, Leith, in 1884, and later other branches of the company (John P. Coats & Co., Ltd.) were opened in Ferry Road and Broughton Street. The wholesale and manufacturing side of the business was carried on at Broughton Laboratories. Mr. Coats was a former chairman of the Scottish Pharmaceutical Federation, and had also many interests outside his profession. A High Constable of Edinburgh, he also took an active interest in the Boy Scout movement. During the last war he held a commission in the Royal Garrison Artillery. He is survived by his widow.

**ELLIS.**—On February 28, Mr. Albert Ernest Ellis, M.P.S., 4 Fordway Avenue, Blackpool, Lancs. He qualified in 1925.

**FELTON.**—On February 13, Mr. William Felton, M.P.S., 253 Balls Pond Road, London, N.1. Mr. Felton qualified in 1887.

**FORDHAM.**—On March 11, Mr. Roland Fordham, M.P.S., 92 Cromwell Road, Winchester. He qualified in 1923.

**HILL.**—Suddenly, on March 28, Mr. Ernest Victor Hill, M.P.S., 18 Langham Court, Wyke Road, Raynes Park, London, S.W.20, aged thirty-five. Mr. Hill, who qualified in 1932, joined the staff of Warrick Brothers, Ltd., London, N.1, in 1939. He is survived by his widow and a daughter.

**PARKINSON.**—On March 10, Mr. Thomas Parkinson, Rilstone, Garstang Road, Broughton, proprietor of Wilk Parkinson

& Son, wholesale chemists, Dawson Street Preston, Lancs, aged sixty-six.

**ROBERTS.**—On March 29, after a brief illness, Mr. F. W. Roberts, M.P.S., Church Walk, Worthing, managing director, W. Aston & Co., Ltd., chemists, 25-27 Montague Street, Worthing, aged seventy. Mr. Roberts was secretary for some years and later chairman, of the Sussex and Kent Federation of Pharmaceutical Associations. He was a member of the West Sussex Pharmaceutical Association and the local branch of the Pharmaceutical Society for many years, and served term as president and treasurer in both. During the present war he had been chairman of the West Sussex District Pharmaceutical War Committee. He was a Rotarian, member of the council of the local Chamber of Trade, and held many offices in the Steyne Gardens Wesleyan Church, of which he was a member for forty-four years.

**SCOTT.**—Recently, Mr. Walter Care Scott, Ph.C., 316 Wheeler Street, Birmingham, aged seventy-seven. Mr. Scott was in business at that address for over fifty-five years. He gained his pharmaceutical chemist qualification at the age of twenty-one, and opened a business in Birmingham immediately afterwards.

**WILLOUGHBY.**—At Stanley Camp, Hong Kong, in January, as the result of an air raid on the island, Mr. George Willoughby, formerly of 6 Oswalds Wynd, Kirkcaldy. Mr. Willoughby qualified as a chemist and druggist in 1930.

**WOOLLS.**—At Margate, on March 1, Mrs. Margaret Woolls, for several years managing director of V. J. Woolls, Ltd. chemists, a business founded by her late husband, aged seventy.

## WILLS

**PILOT-OFFICER DEREK JOHN CHAS. R.A.F., M.P.S., 87 Bury Road, Alverstoke Hants, left £13,390.**

**MR. JOHN KEALL, M.P.S., Axholm Chartfield Avenue, Putney, London, S.W. (president, 1933-35, Pharmaceutical Society of Great Britain), left £10,562, with net personalty £909.**

**MR. FREDERICK JACKS, J.P., 13 Granville Terrace, Stone, Staffs, formerly of 61 High Street, Stone, retired pharmacist, for nearly twenty years a magistrate in the county of Stafford, a former chairman of the Stone urban district council, one of the founders of the Stone Traders' Association, a member of the Staffordshire Insurance Committee, left £24,026, with net personalty £21,409.**



## PERSONALITIES

LORD TRENT (chairman of Boots, Ltd.) has resigned from the post of Regional Commissioner for the North Midland Region.

MR. F. B. ROYAL, M.P.S. has been appointed an Assistant Director, Chemical Branch, Economic Division, Control Commission for Germany, and will leave shortly to take up his new duties. Mr. Royal was educated at King Edward VI School, Norwich, and served his apprenticeship with Gardiner & Lacey, Norwich. After three years' service in Salonica

during the war of 1914-18 he studied at the College of the Pharmaceutical Society and qualified in 1920. For the past twenty-five years he has been engaged in hospital pharmacy at University College and St. Mary, Islington, Hospitals, and recently as Supervisory Pharmacist to the London County Council at County Hall, Westminster. Mr. Royal has been a member of council of the Guild of Public Pharmacists for fourteen years and served as secretary and president 1936-40; he is a member of the following committees: Action and Uses, British Pharmaceutical Codex; British Pharmacopoeia Ointments; National War Formulary; and Central Pharmaceutical War Committee. He represents the Guild on the Public Services Committee of the Pharmaceutical Society.

ALDERMAN EDWIN THOMPSON will continue in office as High Sheriff of Lancashire during the next Liverpool and Manchester Assizes, owing to the ill-health of his successor.

PROFESSOR SIR ALEXANDER FLEMING, discover of penicillin, is shortly, by resolution by the Paddington borough council, to be made an honorary Freeman of the borough.

MR. C. W. LOCKWOOD has recently retired from the staff of May & Baker, Ltd., Dagenham, after many years' service with the company, during the greater part of which he was a representative in the South of England. Mr. Lockwood did much to establish the company's business in drugs

and fine chemicals, and it is with regret that he now severs his connexion. As a token of esteem, his friends in the company have presented him with a cheque.

MR. G. A. TOCHER, M.P.S., who contributes an article to this week's issue of *C. & D.*, was instrumental in founding the various district associations comprising the London County Pharmaceutical Association. At the first meeting of the delegates from the district associations held on October 31, 1912, the late Mr. Peter McEwan (Editor of *THE CHEMIST AND DRUGGIST*) was present and took part in the proceedings when the County Executive was constituted. Mr. Tocher was then appointed honorary secretary.

## COMING EVENTS

### Wednesday, April 11

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 1.45 p.m. Mr. F. A. Mercer on "The Industrial Design Consultant."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Highlanders' Institute, 27 Elmbank Street, at 7.30 p.m. Annual meeting.

### Thursday, April 12

PROPRIETARY ARTICLES TRADE ASSOCIATION, Russell Hotel, London, W.C.1, at 3 p.m. Annual meeting.

EIRE PHARMACEUTICAL CHEMISTS' AND STUDENTS' ASSOCIATION COMMITTEE, Metropole Ballroom, Dublin, 10 p.m. to 3 a.m. Seventeenth annual dance.

### Sunday, April 15

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Miller's Dale and Monsal Dale. Meet Central Station, 8.45 a.m. Book Buxton return.

### Monday, April 16

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Demonstration theatre, Gas Show-rooms, Parliament Street, Nottingham, at 7 p.m. Annual meeting, followed by a "quiz" (ladies v. gentlemen).

### Tuesday, April 17

NEWCASTLE DISTRICT AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Clayton Room, Crown Hotel, Clayton Street, Newcastle-on-Tyne, at 7.15 p.m. Annual meeting. Five-minute talks by Mr. G. H. M. Graham on "The N.P.U. Business Purchase and Guarantee Fund"; Miss Isobel Hay on "Activities of the Newcastle Branch of Women Pharmacists"; and Mr. H. Whewell on "Employee Organisation."

## TRADE NOTES

**On C.F. List.**—E.N.T. Manufacturing Co., Ltd., 431 Gloucester Road, Horfield, Bristol, 7, state that E.N.T. powders are now on the Chemists' Friends list.

**Moth Season.**—Described as the most deadly moth destroyer, Nomomot is being offered by Lewis (Import & Export), Ltd., 38 Great Portland Street, London, W.1, in various packings, which are described in an announcement in this issue.

**Optical Training.**—The National Association of Opticians, 130 Princes Road, Liverpool, 3, invites applications for syllabus and entrance forms in connexion with its next examination, which will be held in Edinburgh on May 7, 8, and 9. The latest date for receiving entries is April 9.

**Design for Perfumery.**—Glastics, Ltd., Ferndown, Dorset, offer the services of Mr. William Bennett and his associate designers in putting forward new ideas for perfumery and cosmetic containers in glass and plastics to manufacturers now engaged in planning their post-war trading activities.

**Dental Instruction.**—The Royal Dental Hospital of London gives particulars of courses leading up to the B.D.S. and L.D.S. diplomas in May, October and January, and available at the School of Dental Surgery, Leicester Square, London, W.C.2. An announcement appears on another page.

**New Calamine Cream.**—Inquiries are invited by Charles F. Thackray, Ltd., The Old Medical School, Park Street, Leeds, 1 (sole distributors of preparations issued by Southon Laboratories, London, S.W.15) for a new product, Esoban cream of calamine, a soothing emulsion possessing the essential features of the existing Esoban skin treatment. Prices are quoted in an advertisement in this issue.

**New Packing.**—A packing originally introduced by Crookes Laboratories (British Colloids, Ltd.), Park Royal, London, N.W. 10, to overcome war-time manufacturing difficulties, presents Crookes' halibut-liver oil capsules, the makers claim, in a manner that is at once attractive on the chemist's counter and convenient for the customer's pocket or handbag. Terms for bonus parcels are given in this issue.

**In Preparation for Post-war Trading.**—Antoine Chiris, Ltd., 58 Brook Street, London, W.1, are already working on problems connected with post-war trade in

perfumery, cosmetics, soap, and allied products, while continuing to act, on the essential oils side, as an accredited representative and distributor under the Ministry of Food essential oils scheme. News has been received in London that the chairman of the associated company—France (M. Leon Chiris) is serving as an officer in the French army in liaison with the American Forces on the Continent. The Chiris factories at Grasse are understood to be undamaged.

**Reduced Prices.**—New reduced prices for Cibazol (sulphathiazole-Ciba) are announced by Ciba, Ltd., The Laboratoire Horsham, Sussex, to take effect on April 1. The new prices affect tablets; cream ointment (5 per cent.); powder; ampoules and Cibazol-proflavine powder.—Preliminary information is given elsewhere in this issue of price reductions made by Pharmaceutical Specialities (May & Baker), Ltd. in their M. & B. 693 preparations. The new prices, which will be given in a later announcement, will come into operation on May 14. The company also announces revised schedule of prices covering the complete range of Thiazamide brand sulphathiazole (M. & B. 760) products. The latter prices take effect on April 9.

### Business Changes

MR. C. J. HOCKING has been appointed relief manager in the pharmacy department of the Plymouth Co-operative Society, Ltd.

MR. E. KERSHAW has returned to Antoine Chiris, Ltd., and resumed his activities as sales manager. For the past five years he has been an officer in the Royal Air Force.

MR. GEORGE CURRIE, M.P.S., F.S.M.C. Edinburgh, has purchased the old-established business of David Mathewson Blackhall, Edinburgh. He will continue to trade under the old name.

### Proprietary Articles Trade Association

**Alterations to Protected List.**—*Damancy & Co., Ltd.*, Dellipoids, prescription pack, D.1 iron and yeast, 60's, 12s. doz., tax 2s. doz., inclusive retail price 1s. 11d.; new size, 120's, 20s. doz., tax 3s. 4d. doz., i.r.p. 3s. 3½d.; D.2 tonic, 40's, 14s. doz., tax 2s. 4d. doz., i.r.p. 2s. 3d.; three doz. prescription packs less 2½ per cent., six doz. less 5 per cent., twelve doz. less 10 per cent.

*Numul, Ltd.*, Proctor's Pinelyptus pastilles, 6s. 9d. doz., tax 1s. 1½d. doz., i.r.p. 10½d.; 12 oz., 15s. doz., tax 2s. 6d. doz., i.r.p. 1s. 10d.



## PHARMACEUTICAL EXPORT GROUP REPORT

The report for 1944 of the Pharmaceutical Export Group has recently been published. The following information is abstracted from it:—

1944, like previous war years, has been full of difficulty for exporters, although, towards the end of the year, there appeared a tendency for certain restrictions to be eased. Lend-Lease conditions continue to hamper trade, but it is hoped that these, too, will soon be eased; phenol and mercury have already been removed from the Lend-Lease list. Limited shipping facilities have continued to hamper commerce, and there appears to be little prospect of any alleviation in this respect.

### Bulk Indents

Bulk indents have provided the Export Group with a considerable volume of activity during the year. The number of bulk indents with was 123, at an estimated value of £490,953, against eighty-three, valued at £677,794, in 1943. The estimated value of bulk indents allocated since their introduction in 1943 is £1,168,747, and tribute should be paid to the work done by the allocation committees. A satisfactory outcome of representations made to the Department of Overseas Trade is the modified system of bulk indenting to Middle East countries, and the limiting of bulk indents for British Colonies in accordance with a specified list of drugs and chemicals. It is hoped that during the present year bulk indenting will cease.

The Group had the advantage during the year of being addressed by representatives of members visiting this country from overseas markets, including the following: India, Mr. R. Lumley (Boots Pure Drug Co., Ltd.); South Africa, Mr. L. S. Dyson (The British Drug Houses, Ltd.).

The draft rules of the India Drug Act, 1940, were examined by a subcommittee (see C. & D., 1944. II. 405), and recommendations and suggestions were submitted, the result of which will be, it is hoped, to place the pharmaceutical industry in India on a more satisfactory basis. The Group continued to act as medium for approving for shipment orders received from India, by both manufacturers and merchants, for drugs, pharmaceutical chemicals and preparations, druggists' sundries, veterinary and dental goods. In this connexion the India Office rendered valuable assistance. Orders approved during

the year totalled 8,723, for dispatch by post and as shipping freight. For goods sent as freight, shipping letters were issued for 69,555 packages, representing 8,506 cu. tons. As in 1943, the scheme worked satisfactorily.

### Trade Mark Action

A committee which was elected to consider the best method of preventing the registration of "open" names as trade marks in overseas countries has met several times during the year, and a list has been prepared of names, the registration of which as trade marks should, in its view, not be permitted. Already considerable success has attended the efforts of the committee in preventing registration of the word "penicillin" and words similar thereto. In some instances registrations have been cancelled.

The formation of a co-ordinating committee of the Medical and Surgical Export Groups, which was announced in the report for 1943, was welcomed by the Department of Overseas Trade and Ministry of Supply. The Group is represented on the committee by its chairman and vice-chairman. The committee has met frequently throughout the year, and has had useful discussions with Government officials; moreover, it is constantly impressing H.M. Government with the need for early release of materials, labour, plant and buildings, and finance in relation to post-war credits, to enable the export trade of the country to be maintained and expanded.

### Officers for 1945

The members of the *Executive Committee* for 1945 are as follows: *Chairman*, Mr. F. C. Oscar Shaw (The British Drug Houses, Ltd.); *Vice-chairman*, Mr. Stanley W. Whiffen (Whiffen & Sons, Ltd.); *Elected members*: Messrs. Kenneth C. Allen (Stafford Allen & Sons, Ltd.); G. Dalrymple (Ayrton, Saunders & Co., Ltd.); I. V. L. Fergusson (Evans Sons Lescher & Webb, Ltd.); R. Greenwood (Allen & Hanburys, Ltd.); G. E. Howard (Howards & Sons, Ltd.); L. G. Matthews (Burroughs Wellcome & Co.); C. A. O. Rideal (May & Baker, Ltd.); and C. L. Saul (Boots Pure Drug Co., Ltd.); *co-opted members*: the chairman of the Fine Chemical Export Group; general manager of the Association of British Chemical Manufacturers; and secretary of the Wholesale Drug Trade Association.

## GUILD OR TRADE UNION?

A MEETING of members of the Guild of Public Pharmacists resident in the North-western district, held in Manchester recently, was addressed by Messrs. Henriksen and Currie. The meeting had been called to discuss a resolution, passed at a previous district meeting, "That the Guild should cease that part of its activities relating to the establishment and negotiation of salaries and conditions of service and that it should recommend its members to join a specified Trade Union, which would take over these functions." Mr. HENRIKSEN gave a detailed account of progress made by the Guild in the negotiations between the Professional Staffs Committee and the Employers' Committee, and said that in his opinion it would be folly to press the resolution at present.

The Guild represented 70 per cent. of pharmacists in hospital practice, and no other body could claim to represent more than a small proportion. Mr. CURRIE said he was an ardent trade unionist, but was sure that the policy of the Guild was the one which the vast majority of members supported. Mr. A. WEBB asked if it would not be wise for the Guild to register as a

Trade Union, and if it could, as at present constituted, make agreements which would be valid in law. Mr. PHILLIPSON said he would support the present policy of the Guild, if it would become a Trade Union, and so cease to compete with recognised Trade Unions. MESSRS. SAUL, TINNEY, and MEES all spoke in support of the Guild's policy, and Mr. SAUL moved that the resolution should be withdrawn. This was carried with only three dissentients. Mr. CURRIE said it might be wise to register as a Trade Union, but the Council had been instructed by an annual meeting not to do this, and it could not be done unless there was a change of heart among members. The Guild could make valid agreements, and he could see little advantage to be gained from registration. He explained the distinction between registration with the Registrar of Friendly Societies, and recognition by the Trades Union Congress. The position of the Guild representatives on the Professional Staffs Committee was not in the least affected by the fact that it was unregistered or unrecognised, the only criterion being that it should represent the majority of hospital pharmacists.

## PROFESSOR TODD ON APPRENTICESHIP POLICY

At the March meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society, THE PRESIDENT (Mr. Andrew Officer) introduced the speaker, Professor J. P. Todd (Professor of Pharmacy, Glasgow Royal Technical College), as a past-president of the Branch, and expressed the appreciation of members for his work on behalf of the blood-transfusion service.

PROFESSOR TODD, whose subject was "Apprenticeship," emphasised the importance of a steady flow of entrants into pharmacy, and said the problem was presenting serious difficulties. The main flow of entrants tended to come through schools and not from pharmacies. Of those who did come from retail businesses, many had an apprenticeship in name only. It was, in fact, a common experience to find that no practical instruction had previously been given. There was no doubt that a good apprenticeship produced a much better craftsman, but at present they were proposing to impose conditions which few pharmacists were prepared to carry out, and the full enforcement of which would have the effect of reducing the number of entrants to pharmacy. It

was only possible, except in multiple establishments, to trace some ten apprentices in the whole of the West of Scotland. The question was whether apprenticeship as it now existed was really worth while. On the Continent, the common practice was for apprenticeship to be taken after passing the academic examinations, and members should consider whether or not this method should be adopted here. The abstract value of "atmosphere" in apprenticeship had been grossly overrated. While it was not suggested that apprenticeship could be abolished completely, there was some argument in favour of modifying it profoundly to bring it into line with modern conditions. If this were not done, the results might be serious for pharmacy. Care should be taken, when discussing the problem, not to be over-biased in favour of the particular branch of pharmacy in which one was occupied. A broad view of the problem was necessary, since the manufacturer, the hospital pharmacist, and those engaged in research problems also came into the picture. In the days when trade guilds were common, apprenticeship was the only means of entry to, and



the only means of becoming skilled in, a craft, and it was the common practice for a pupil to pay for his instruction. Today the majority of apprentices did not learn the craft, and the existing apprenticeship constituted an inconvenient bar to entering the profession. Under the proposals of the Education Act, the apprentice would spend part of his time during working hours attending classes. The extent to which this system could be adapted to pharmacy was questionable.

#### When and How to Take the Examination

One of the main disadvantages of the present-day apprenticeship, taken on leaving school, was the break in continuity of study it involved. It was generally better to take the intermediate examination before commencing apprenticeship. This involved a further break in continuity of study and, while no one doubted the value of such a course in a properly constituted apprenticeship, the existing system was in most cases unsatisfactory. All first-year students should take a common course of such standard as would lead to the intermediate examination for a degree in pharmacy. The teacher would then be in a position to state which candidates were suitable for the academic type of qualification and which were more suited to a professional or business career. One danger at present was that other bodies were becoming interested in pharmacy,

and it would be an unhappy position if they found themselves with their manufacturing and research facilities in the hands of the Royal Institute of Chemistry, or of graduates in applied science other than pharmacy. They must guard this part of their possessions by training the best of their men for that type of work. It was a common experience to find that the best students were attending the non-graduating course, while the less bright were attending an extended degree course. That should be remedied, and could be, by scrapping the Society's Intermediate examination and substituting a first examination for a degree; the practical difficulties in carrying this out were not insurmountable. It should be possible for the poorest student with State aid to gain the highest qualification. In Scotland, at least, the system of allocating grants, irrespective of merit, was not producing the best results.

In the discussion which took place after the address, MESSRS. COLIN CAMPBELL, CURRIE, W. SPENCE CULBERT and others took part. The meeting generally agreed that apprenticeship was desirable, but there was considerable divergence of opinion as to when the apprenticeship should take place, and opposite views were also expressed as to its length. Members maintained that apprenticeships should be served only where there existed proper facilities for training. The Council's latest move in this connexion was welcomed.

## HOT SPRINGS DELEGATE ON TRADE POLICY

CAPTAIN L. D. GAMMANS, M.P., who was a British delegate at the International Conference, at Hot Springs, Virginia, held under the auspices of the Institute of Pacific Relations, on "The Future of the Far East," addressed the London Chamber of Commerce on March 19. The following are points from his address:—

Britain's export trade has almost disappeared; practically all her overseas investments, the interest on which paid for nearly 30 per cent. of pre-war imports, have been liquidated. About £3,000,000,000 is owed to India, the Dominions, and other countries—a sum equal to six years' pre-war export trade. A most serious factor is that in many directions British industrial efficiency has lagged behind that of the United States.

What, then, is needed? First, from the Government a sensible monetary policy based upon an expansionist philosophy,

a general over-all direction of British industry, but not bureaucratic interference. Also, if Britain is faced by subsidised competition from any quarter, ruthless employment of her bargaining power as the greatest importing nation in the world. From industry the country expects a modernising of equipment and the adoption of up-to-date methods of manufacture, distribution and advertising; from the trade unions, a readier acceptance of the necessity for mobility of labour and abandonment of restrictionist outlook.

If this country is to re-equip her industry to meet American competition, and to repair the ravages of war, then for several years preference must be given to capital expenditure over consumer goods. Savings must be expended on machine tools, on re-equipment of British railways and on coal mines and similar undertakings, "before silk stockings, or tinned peaches from California can be imported."

# SIGHT-TESTING EQUIPMENT—I

by S. H. Lees, F.B.O.A. (Hons.)

**T**HE first question that arises in the mind of the pharmacist who has decided to practise sight-testing, assuming that he has acquired the necessary knowledge of the subject, is that of instruments and equipment. There may be many instruments he would like but cannot afford: there are certainly many instruments he cannot afford to be without.

## J.C.Q.O. Factory Specification

Some time ago the chairman of the Factory Committee of the Joint Council of Qualified Opticians gave a list of the minimum apparatus specified by the J.C.Q.O. for the factory optician. The list comprised test types (distance and reading); mirror (if, necessary); trial case; trial frame; condensers, etc.; ophthalmoscope; luminous retinoscope; near-point rule; near muscle test; perimeter; Bjerrum screen with Traquair targets; colour tests (lantern and Ishihara); Wright's test for dark adaptation; malingering tests; and diploscope. No doubt many factory opticians use far more instruments than the specified minimum, but the list provides a satisfactory basis for the beginner in refraction, whose means may be limited.

In the practice of refraction the man is more important than the tools or, to put it another way, by far the most important tool is his knowledge of optics and his readiness to apply it carefully and conscientiously. A good man will do good work with simple equipment, and there are no instruments yet devised that will turn a bad refractionist into a good one. Many expensive and ingenious instruments which have been produced for the objective estimation of refractive errors give less reliable results than those obtained by a skilled operator with an ordinary non-luminous retinoscope. The beginner is therefore advised to proceed with caution, and to familiarise himself first with conventional methods and equipment, after which he will be in a better position to assess the possibilities of other methods and instruments.

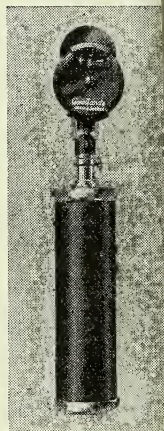
## Charts

The writer has used various charts, and prefers the internally illuminated type. A simple cardboard chart incorporating a fan and letters is adequate for ordinary purposes. The advantages of the internally

illuminated type are that there are no distracting reflections, that by sectional illumination the patient's attention is directed at will, and that a spotlight and duochrome test can be included. The writer's chart includes a revolving drum, so that only one line of the smaller letters is visible at once. It is advisable to have two 6/6 lines, using one for each eye, and one drum panel to include letters from 6/24 to 6/6, to save time when taking the visual acuity. There is no question of choosing between a trial case and a refractor. A trial case is essential since a refractor is unreliable for near vision tests, particularly if high powers of lenses are necessary, the effective powers of the lenses in refractors being computed for six metres. Neither the refractor nor the trial frame is free from limitations, but the refractor is not an alternative to the trial case and frame. If only one trial frame is used it should be of the spring-cell type, in which the cylinder will remain at the correct axis, but a drop-cell frame is useful for retinoscopy, so that the lenses can be changed quickly with one hand.

## Ophthalmoscopes and Retinoscopes

A good ophthalmoscope can be obtained very cheaply. The May type has certain disadvantages, of which one is that it does not permit a quick change between the 0 and the + 20 powers. There is now a model available with an auxiliary disc of lenses comprising + 8, + 20, - 30 and - 10, the + 20 being next to the sight-hole. This disc is additional to the usual battery of lenses, and there is the further advantage that the power of the lens in use is indicated under illumination. Luminous retinoscopes are in favour nowadays, although there are still refractionists who prefer the non-luminous kind. The shadow movement is quicker with the latter, but the reflex is easier to observe with the former. Retinoscopy is easier if the subject is in a swivel chair, so that reflections from



Gowlland  
Ophthalmoscope



the trial lenses can be dealt with by slight adjustments of the chair, rather than by altering the position of the patient's head. The Maddox Wing test is convenient for ear muscle investigation and is better, in the writer's opinion, than dissociation tests depending on prisms or coloured glasses. The most serviceable perimeter is one having a very broad arc of 30 or 33 cms. radius. A narrow arc, such as is found on small arcs and perimeters, does not provide a proper background for the target. The arc should have a dull black, matt surface. Self-registering perimeters are a waste of time. It is better to have the target in the hand so that it can be passed backwards and forwards at the extremities of the field fairly quickly, to give more satisfactory results.

For investigating the size of the blind spot, and central parts of the field in detail, a Bjerrum screen can be made from wood or cloth. It should be one metre square if intended for use at one metre. Alternatively a screen of the roller-blind type, stitched to correspond with angular markings on the chart, is supplied by the makers complete with dust cover.

There is one addition the writer would like to make to the J.C.Q.O. list, and that is a pair of cross-cylinders for checking the strength and axis of astigmatic corrections. The most useful powers are 0.25 and 0.50. With the exception of the diploscope, none of these instruments is of much use for orthoptics, which is a special branch of refraction.

## PHOTOGRAPHY BY DISCHARGE LAMP

A PAPER on "Electric Discharge Lamps for Photography," given before the Association for Scientific Photography by Mr. H. K. Bourne, M.Sc., in London recently, was illustrated by a display of typical lamps. Photographically, electric-discharge lamps have high actinic efficiency combined with low heating-power; the shape, size and brightness of the light source can be designed to give maximum efficiency of utilisation; long life is a prominent feature. Exploitation of principle has proceeded along two divergent lines: Low-pressure and high-pressure. In the modern low-pressure lamp the pressure of mercury vapour is only a fraction of 1 mm.; the lamp emits considerable long- and short-wave ultra-violet radiation, which, by means of fluorescent powders coated on the inside of the tube, is converted to visible light of longer wave-lengths. The low-pressure lamp forms a well-diffused light source closely resembling daylight and capable of giving accurate colour rendering.

### Construction and Power

The high-pressure mercury vapour lamp consists of an inner glass tube containing the arc sealed into an outer glass jacket. The arc-tube pressure is about one atmosphere, and the arc is constricted into a narrow cord along the axis of the tube. The outer envelope is filled with an inert atmosphere. There is a range of types, the most powerful being in powers of the order of 10 kw. or higher, with a brightness ranging up to 100,000 candles per sq. cm. The spectrum is linear in character, and fluorescent powders cannot be used with the high-brightness lamps; but, with in-

creasing pressure, there is an improvement in the colour, the main lines broadening, while the amount of continuous background increases. An amalgam of cadmium is sometimes used to improve the colour. Brightness increases with increases of loading per unit length in the arc column, which has been made possible, first, by the use of quartz tubes with molybdenum foil vacuum-tight seals; and, later, by the introduction of water cooling, which dissipates approximately 70 per cent. of the radiated heat. The author described a number of lamps, including a compact source lamp with a maximum brightness of 18,000 c./sq. cm.; a self-contained metal box lamp which can be used without a lamphouse for the illumination of laboratory instruments; a 100-hour-life water-cooled high-pressure lamp with a luminous efficiency of 65 lumens per watt, a peak brightness of 30,000 c./sq. cm., and an internal pressure of about 75 atmospheres; and the B.T.H. syroscopic tube, which can give recurring flashes at a predetermined frequency or be employed as a synchronised flashlamp for ordinary photography. The author dealt extensively with the possible usages of the electric discharge lamp in photography, and suggested, finally, that in almost every case where a light source is required for photography, the user would be well advised to consider whether a mercury vapour lamp would offer any particular advantages over other forms of light source. A very vigorous discussion followed, and the meeting closed with hearty applause to Mr. Bourne for his excellent talk and demonstration, and for so capably answering the many questions which had been asked.

**'TRIAD'CHERRY** Flavoured **MALT & OIL**

**GOLD CURE CAPSULES**

**'VYTINA' TONIC TABLETS**

**HALIBUT OIL & MALT**

**TONIC PHOSPHATES**

**TIN OX TABLETS**



*John Bell*  
**PRODUCTS**

*reliability remembered  
demand undiminished  
supplies somewhat short*

**JOHN BELL, HILLS & LUCAS LTD.**  
Oxford Works, Worsley Bridge Road, S.E. 26

**ABRAC**

**COMPOUND  
PERFUMES**

**MANY UNAVAILABLE—  
SOME STILL AVAILABLE  
—IN LIMITED QUANTITIES**

Blended by

**A. BOAKE, ROBERTS & CO., LTD., ABRAC WORKS**  
LONDON, E.15. BUCKHURST 1133 (6 lines)

### INFORMATION WANTED

*Information with respect to suppliers of under-mentioned will be appreciated:—*

Isonab.  
Keyzeene-ol.  
Fibrinfoam.

## ABSOLUTE ALCOHOL

**JAMES BURROUGH LTD.**

**I Cale Distillery Lambeth S.E.11**

**BETTER  
Advertising  
&  
MARKETING**

40 years' success with proprietary lines of national and international fame enable us to offer our clients many solid advantages. Our advertising sells goods at the lowest on-cost.

**STUART HIRST, LTD.**

Survey House, 15 Bond Street, Leeds, 1



• **WILCOX, JOZEAU**

WHITE LION ST.

**FOREIGN PROPRIETARIES**

NOW MADE IN ENGLAND

• **TELEPHONES: TERMINUS 3088**

## TRIMETHYLAMINE

Now  
available  
in  
working  
quantities

**MONSANTO CHEMICALS  
LIMITED**

**RUABON · WREXHAM · DENBIGHSHIRE**  
Telephone: RUABON 3191



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

for RETAILER — WHOLESALER — MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, the British Empire, and foreign countries

*Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire*

VOL. CXLIII

APRIL 7, 1945

NO. 3400

*The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## A Report on Veterinary Practice

THE principal recommendation made by a Committee on Veterinary Practice by Unregistered Persons (Cmd. 6611, H.M. Stationery Office, price threepence) is that such practice should be prohibited under penalty. This conclusion is reached after a detailed study of the extent and effect of unregistered veterinary practice, and is subject to safeguards whereby existing unregistered practitioners will not be penalised. Although no evidence was heard from any organisation even remotely connected with pharmacy (it is doubtful if the Committee ever thought about consulting such a body), there are nevertheless certain aspects of the report that claim the attention of pharmacists. Vigilance will be required, for example, in any Bill that may follow the report, as to the interpretation that may be put upon the phrase "Practice of veterinary surgery." According to the Committee, the words include "the performance of any such operation and the giving of any such treatment, advice or attendance as is usually performed or given by veterinary surgeons." It would not be difficult, in certain circumstances, to apply this interpretation to the simple act of commencing a condition powder for a

dog, or to any other similar service that has been legitimately rendered by chemists for many years.

While recommending that unregistered veterinary practitioners of seven years' standing should be entitled to claim registration, the Committee urges they should not be allowed to style themselves "veterinary surgeons" or "veterinary practitioners," but suggest that the description "registered animal practitioners" would suffice. As the Committee also recommends that such persons "should have the same facilities for obtaining drugs . . . as are enjoyed by registered veterinary surgeons," its members have presumably considered the necessity for amendments to the poisons laws to include this new class of "authorised persons." The only other item of interest to the drug trade is a recommendation made in the last paragraph of the report (possibly as an afterthought, for it appears to have a less direct bearing on the Committee's terms of reference). In this recommendation the Committee suggests that the Minister of Agriculture and Fisheries and Secretary of State for Scotland should be empowered to control the advertisement and sale of veterinary medicines. In this connexion it will be remembered that a similar proposal was recently made by the Council of the Pharmaceutical Society in regard to medicines for human use, the Ministry of Health being asked in that instance to take control.

## Trading with France

THE Board of Trade has announced that obstacles in the way of trading with persons in France which arose out of the Trading-with-the-Enemy legislation have now been removed. Banking facilities between the two countries have been restored, subject to the operation of the Defence (Finance) Regulations, about which interested persons are advised to consult their bankers. The actual undertaking of commercial transactions depends, of course, on the availability of the necessary physical facilities (supply of goods, transport, etc.), and it remains necessary to comply with other regulations (export and import licensing and the parallel regulations of the French Government).

The general effect of three new Orders is that those provisions of the Trading With the Enemy Act, 1939, and the Custodian Orders, 1939, which remained in force after the liberation of metropolitan France and the principality of Monaco now cease to apply in respect of money and property accruing on or after March 29, 1945, to persons resident in that territory. Money which becomes payable to persons resident in France (or to certain concerns controlled by such persons) on or after March 29, 1945, and property coming into their ownership on or after March 29, 1945, cease to be subject to the control of the Custodian of Enemy Property. Money which has become due before March 29, 1945, but has not been paid or held to the order of the custodian, remains payable to the custodian. Similarly, property in the United Kingdom which, before March 29, 1945, was subject to report to the Custodian, remains property to which Article 4 of the Trading With the Enemy (Custodian) Order, 1939, still applies, and must not be parted with or dealt with without the consent of the Board of Trade. The Order also lifts the application of Sections 4 and 5 of the Trading With the Enemy Act, 1939, in respect of certain transactions which may be effected on or after March 29, 1945. The Orders concerned are numbered as follows: S. R. & O., 1945, Nos. 346, 347 and 348, all obtainable from H.M. Stationery Office.

### A New Weed-killer

A new and revolutionary type of weed-killer for use in agriculture has been introduced by Imperial Chemical Industries, Ltd. After exhaustive tests lasting two years, it is being put into use on a nationwide basis by the makers and the Ministry of Agriculture, through the County War Executive Committees. The preparation, which is known as methoxone, is a growth substance of plant-hormone type. In 1940 the discovery was made by I.C.I. that two chemicals of this type would kill charlock and many other weeds without harming cereal crops. Further research into plant-hormone substances showed that all had properties as selective weed-killers, some being extremely active. Methoxone was selected in 1942 as likely to be the most

useful for agricultural purposes, and in the same year investigations began in Britain on a parallel substance, chloroxone, the name given in Britain to a weed-killer recently publicised by the Americans and called by them D.C.P. The first experiments with chloroxone as a weed-killer began in the United States in July 1944. In Britain, field experiments on a large scale with methoxone and chloroxone were carried out during 1943 and 1944 jointly by I.C.I., Ltd., and the Agricultural Research Council. In the trials, methoxone proved itself the more effective.

The peculiar value of methoxone lies in its selective activity. Trials already carried out show that, when it is applied at a rate of 1 lb. per acre, weeds such as yellow charlock, wild radish, corn buttercup and pennycress growing in corn are killed, although the crop itself is unharmed. An important result is that weeds can be eliminated in the early stages of growth, before they have been given a chance to rob the crop of the food available in the soil.

### Drug Trade in Eire

THE Department of Industry and Trade in Eire, has recently re-introduced the issue of official monthly returns relative to imports into and exports from that country. The figures given in the following table show the value of medicines, ointments, and druggists' wares imported into Eire during the years 1939-44, inclusive:—

Year	Medicines and medicinal preparations	Ointments and salves	Druggists' wares
	£	£	£
1939	356,084	13,731	29,030
1940	302,252	16,802	36,050
1941	387,618	11,671	31,758
1942	413,136	29,964	39,360
1943	373,309	24,500	18,807
1944	433,837	32,354	19,453

Only one of the three scheduled items, it will be noted, shows a falling-off of imports during the period under review. Export trade in drugs, medicines and preparations from Eire has always been small, and since 1939 has declined progressively from £4,556 to £2,726 in 1941, £1,427 in 1942, £410 in 1943, and £630 in 1944.



## PHARMACEUTICAL COMMITTEES AND N.H.I.

In last week's issue of the "C. & D." the working of National Health Insurance during the thirty-three years of its existence was reviewed. One important outcome of the National Health Insurance Act was the setting-up of statutory Pharmaceutical Committees. In the following article Mr. G. A. Tocher, M.P.S., Secretary of the Pharmaceutical Committee for the County of London, discusses the working of such Committees since their inception.

SO much has happened since the introduction of the National Health Insurance Act, 1911, that it is difficult to give, in short compass, a survey of the activities of Pharmaceutical Committees covering a period of over thirty years. The Act came into force on July 15, 1912, but insured persons were not entitled to Medical Benefit until January 15, 1913. At the outset, the arrangements for the supply and dispensing of medicines, etc., in an area were made between the local committee (county or county borough) Insurance Committee and a body representing chemists in the area. Steps were taken by the Pharmaceutical Society to establish, throughout the country, local organisations co-terminous with the areas of Insurance Committees. The Pharmaceutical Standing Committee prepared a national tariff for drugs and dispensing charges, and this formed the basis of terms for agreement between chemists and the Insurance Committees. In London, the terms of service were agreed between the executive committee of the London County Pharmaceutical Association and the London Insurance Committee on December 23, 1912, when the tariff of charges was presented, together with the first Panel of Contractors in the area. The Act provided for the recognition of a local Medical Committee for each area, but in 1913 there was no Medical Committee for London. During this period the London County Executive undertook to ensure that an adequate and efficient service was provided for insured persons, and gave advice to chemists in settling doubts and difficulties experienced under the new régime.

### Statutory Powers Given

Following the good offices of the late Sir William S. Glyn-Jones, Clause 33 (i) of the N.H.I. Act, 1913, provided for the election of local Medical and Pharmaceutical Committees, with statutory powers and duties. By the multifarious and useful character of the work done, the Pharmaceutical Committees have amply justified their existence. The several amending Acts since 1911, together with numerous Medical Benefit Regulations, have required the continued attention of the Committees,

calling for skill and administrative ability. In order to promote and maintain the efficiency of the pharmaceutical service, many conferences have been necessary with the Panel and Insurance Committees. Space forbids a full description of the work of a Pharmaceutical Committee, but a few items taken at random may be mentioned: Compilation of local pharmacopœias, standards for dressings, arrangement of rota services, complaints emanating from doctors, chemists and insured persons, and modifications of the Drug Tariff and terms of service. One difficult problem was the investigation of excessive prescribing in order to conserve the Drug Fund, in which chemists are, of course, vitally interested. Terms of service have been subject to frequent variations, and many conferences of Pharmaceutical Committees have taken place, as a result of which the negotiating body (the National Pharmaceutical Union) has been instructed to press for adequate increases in the scale of dispensing fees. In 1921 a dispensing fee of sixpence was fixed for mixtures, etc., and compound liquid medicaments, but in the following year there was an "economy cut" of one penny on each item in the scale of dispensing fees. Since October 1, 1941, an increase of one-sixth of the dispensing fees was granted for the duration of the war. Proper recognition of professional services by a satisfactory scale of professional fees has still to be obtained.

Considerable trouble was experienced for some years in pricing and checking chemists' accounts, but the problem was eventually solved by the setting-up of the present Pricing Bureaux, and of the Central Checking Bureau of the N.P.U. Periodical statistical data have been compiled showing the progress and variations in the service, and it may be of interest to mention that in London the number of prescriptions dispensed in 1913 was 5,881,814, at an average cost of 6·30d.; in 1938 the number was 8,882,243, and the average cost 8·18d. The lowest figure during the war of 1914-18 was 3,931,345 (in 1917), at an average cost of 5·76d. The lowest during the present conflict was 5,526,931 in 1941, at an average cost of 10·33d.

## N.H.S. IN PROSPECT

By the author of "N.H.I. in Retrospect" ("C. & D.," March 31, p. 329)

**U**NDER the National Insurance Act the chemist's right to dispense was established, even if his contract for pharmaceutical service was on a commercial basis. From the Act the pharmacist acquired a certain status, and the foundations laid under N.H.I. ought now to be used for building a more comprehensive service for the community under the projected National Health Service.

### Essential Factors in the Situation

Today, as in 1911, pharmacists stand on the threshold of a new era, in which radical changes will take place in the health services of the country. From the nature of their work and on account of their past services, chemists are bound to be involved in the changes. The situation demands, on the part of pharmacists and their representatives, the capacity to take a long view. They must be prepared to discard old ideas and to accept new principles. Two factors at least are essential. Pharmacists must secure the necessary qualifications to do all the work that can be allotted to them, and they must be prepared to give their whole time to providing the pharmaceutical service the State intends to give to each member of the community.

### Dispensing Equipment

If existing facilities are indeed to be utilised, the chemist's shop of the future will probably contain a separate unit, acting as a national pharmaceutical dispensary, and representing in miniature the pharmaceutical department of a hospital. It will be self-contained, fully equipped and stocked according to nationally accepted standards, and under the control of a pharmacist devoting his whole time to the work. Other trading activities may go on in the adjoining shop, but these will be merely additional interests of the proprietor. What matters is that the business of each unit of the national dispensing service—like each unit of the national postal service—will be carried on continuously during stated hours as a separate pharmaceutical centre. The chemist's shop is the natural place at which these national dispensing units should be established. Once they begin to function, other consequential changes will follow. Some control will have to be exercised over the establishment of the dispensaries, number of shops to be accepted in each district,

and details of staffing, equipment and internal arrangement. National standard will be approved for all contractors. Inspection is bound to follow these controls.

### Control of Proprietaries

There will also have to be control over medicaments. At present there are three classes of medicaments by means of which people receive treatment for illness: those prescribed for private patients and for insured persons under the N.H.I. scheme; those compounded extemporaneously in doctors' dispensaries; and proprietary and stock preparations prepacked for distribution to the public through various agencies, chemists' shops being one. Under a new health scheme doctors will no longer dispense their own medicines, and the first and second classes will both come to be dispensed at the dispensary unit of the chemist's shop. As the State will be responsible for the good health of the people, making arrangements for recognised practitioners to provide all requisite treatment, it will not be able to allow other and less suitable persons to compete with doctors in the treatment of the ailments and disabilities which afflict various members of the community. The State must, therefore, sooner or later exercise a much stricter control over the whole business of medicine manufacture and marketing. This could be done in four stages: by licence to manufacture, disclosure of formula, limitation of advertising, and restriction of distribution. If the State cannot stop self-medication altogether it can at least control the making and distributing of the remedies used, and has already made a beginning by requiring disclosure of formula and by imposing a restriction on advertisements.

### Restriction by Schedule

In a specialist age the chemist is bound to find himself selected—sooner or later—for the work which he is pre-eminently fitted to do. When the State requires the qualification by training and examination of persons designed to handle drugs and medicines—particularly those scheduled as potent drugs—can it logically do less than give to the persons qualified the distribution of all the drugs and medicines that are to be handled? The qualified pharmacist, more than any other person, possesses the knowledge of the properties and uses of



rugs, and is experienced in handling all classes of remedies for human ailments. As such, he is specially fitted to be accepted as a responsible agent of the State, and to take his place in the State scheme for the provision of medicine and medical supplies. Control over many more classes of medications can be exercised through the principle of scheduling different preparations and substances. The inclusion, in the list of substances forming schedules to the Poison Regulations, of certain preparations, of being direct poisons, and the distinctions already made between substances used for human consumption and otherwise, point the way to the imposition of restrictions on the sale of many more remedial agents by publication of new schedules of drugs, which may lead indirectly to the restriction of their distribution to qualified chemists. This is one way at least in which control could be exercised by Government regulation.

#### Requirements for the Future

The pharmacy of the future may be visualised as the official dispensing dépôt of the State, where the pharmacist will find full scope for the application of his specialised knowledge, and attain the professional status due to him. He must, however, be worthy of it. He must fit himself by training and qualification, by post-graduate study and continuous reading and investigation, to serve practitioner and patient alike in all things pertaining to the provision of medicines and medical requisites. He must train more, specialise more, get rid of commercialism and develop his craft along truly professional lines, rising to the opportunities that each change in the different stages of the development of the service will bring with it. He must make himself fully conversant with all pharmaceutical operations, and make his pharmacy a real professional workshop. But the obligations of the future do not rest entirely on the pharmacist. The State must also do its part, and must be prepared to accord to the pharmacist three essentials for balanced pharmaceutical progress—adequate recognition of his ability and right to do all the dispensing work and to distribute all medical and surgical requisites; adequate representation on all administrative bodies dealing with the work and at each stage of control, both local and central; and adequate remuneration to cover the best service the pharmacist can give and to encourage the best men to undertake the work.

## STAPHYLOCOCCUS TEST

A RAPID test for *Staphylococcus aureus* has been described by Lominski and Grossfeld ("British Medical Journal," 1944. I. 854). Two or three loopfuls of the suspect material (pus or purulent blood-clot) are added to a small test-tube containing 0.5 ml of a 4-8 times dilution of human plasma (citrated or oxalated) with 0.85 per cent. saline, with which it is well mixed. If a swab moistened with the material is used, it is well squeezed out by dipping into the diluted plasma and pressing repeatedly against the wall of the tube, which is kept at 37° C. and the test read after half, one, six and twelve hours. A tube of uninoculated plasma serves as a negative test, and another, inoculated with a known *S. aureus*, as a positive. Coagulation of the plasma indicates presence of *S. aureus*. Materials from seventy-two cases were examined by the authors, the age of the specimens varying from two hours to four days. In twenty-eight cases no *S. aureus* was found. In forty-four, the organism occurred in numbers varying from three to innumerable colonies per 4-in. Petri plate. Of the positives, twenty were pure cultures and twenty-four were mixed with one or more of the following: *B. pyocyaneus*, *B. proteus*, diphtheroids, enterococci, streptococci sarcinae, micrococci, anthracoids, coliforms, anaerobes. In forty-two (95 per cent.) the direct coagulase test was positive. Two cases, in which the direct test failed, were found to yield on primary culture a few colonies of *S. aureus* with a rich mixture of diphtheroids and enterococci.

#### Rapidity of Result

The quickest positive was obtained in twenty minutes, and the slowest after ten hours. Most of the positive tests were recorded after four hours, and those which were negative after the interval usually remained so. The presence of other organisms did not prevent a positive reaction except, rarely, where *S. aureus* was scanty. The early reading, however, should not be omitted, since a coagulum which forms within several hours may liquefy later owing to admixture with proteolytic bacteria. In no case was there a fallacious positive result in the absence of *S. aureus*. The value of the method is apparent, since the usual method involves obtaining a pure 18-hours broth culture of the coccus. When there is a rich mixed infection much difficulty, and delay up to three days or more, may occur.

## U.C.A. DEBATES NORTHERN IRELAND BILL

A SPECIAL meeting of members of the Ulster Chemists' Association, to which associates had been invited, was held recently in Belfast, to consider amendments to the Medicines, Pharmacy and Poisons Bill, Northern Ireland. Mr. A. E. Johnston (president) was in the chair.

The following recommendations were sent forward from the meeting:—

*Clause 4.*—Provision should be made to protect the retailer. It should be a defence for a person charged with selling or supplying an article in contravention of the provisions to this clause to prove:—

(1) That the article was sold by him in the original package or container as received, and

(2) That he had no reason to believe that the formula was not disclosed or (if the formula is disclosed) that he had no reason to believe that the composition of the medicine did not conform with the disclosed formula.

### Responsibility of Manufacturer

It is not always practicable for the retailer to discover whether or not the provisions of this clause have been fulfilled. E.g., if the article is packed in two containers he cannot always ascertain without defacing the package whether or not the inner container is labelled with the formula, and he cannot without carrying out an analysis discover whether or not the composition of the medicine is as stated in the disclosed formula. Responsibility should be placed upon (a) the person who manufactured the article if the article was manufactured in Northern Ireland, or (b) upon the person who first imported the article into Northern Ireland (whether a wholesaler or retailer) if the article was manufactured outside Northern Ireland.

*Clause 5.*—We are emphatically in favour of the provisions of this clause but feel that it does not go far enough. As a logical development the wholesaling of medicines direct from vans to retail customers should also be prohibited. A considerable wholesale business in van sales is carried on in Northern Ireland, and unless the recommended provision is inserted extreme difficulty in administration is foreseen. It is essential that a wholesaler should sell from a fixed address. In addition, sales of medicines (as distinct from poisons) should not be made from automatic machines.

A joint committee of the Pharmaceutical Society of Northern Ireland, the U.C.A., and the Chemists' and Druggists' Society of Ireland recommended that the retail sale of substances recommended as medicines should be confined to retail pharmacists and registered druggists (with the necessary saving clauses for doctors, veterinary surgeons, and dentists). This provision has not been included. It is emphasised that the recommendation was made as a matter of public interest and was not prompted by a desire to secure a trading monopoly. The

intention of the present Bill is to enable supply of a medicine from the manufacturer to the consumer to be traced, and to prevent the sale of fraudulent remedies. It is logical to limit the channels of distribution as we recommended and although we are glad that the Bill indicates a move in this direction we are very disappointed that much more has not been done.

### Restrictions on Supervision

*Clause 17.*—The principle is approved that a pharmaceutical chemist cannot efficiently supervise the business of more than one body corporate carrying on retail business as pharmaceutical chemists. It is recommended that the provisions of this clause should be extended so that any person in any one of the following classes may be debarred from acting at the same time as superintendent of a body corporate: (1) a pharmaceutical chemist carrying on retail business as such on his own account, (2) a pharmaceutical chemist engaged in any employment, whether retail or wholesale, which engages a substantial part of his time and in which pharmaceutical qualification is an important part of his conditions of employment, e.g., assistant in a retail pharmaceutical establishment; assistant in a wholesale drug establishment; commercial traveller, agent, or representative of a manufacturer or wholesaler whose business is substantially that of supply of drugs and medicines.

The joint committee also recommended that not less than 51 per cent. of the shares in any body corporate carrying on by retail the business of pharmaceutical chemists should be owned by a pharmaceutical chemist or pharmaceutical chemists. It is understood that the Pharmaceutical Society of Northern Ireland has made strong representations upon this question, and their recommendations are supported with the greatest possible emphasis. Without this modification, it is possible for any person, in effect to carry on business as a retail pharmacist provided he employs a pharmacist as superintendent. Pharmacy suffers by comparison with other professions in that it is associated with necessity with retail trade, and pharmaceutical chemists therefore feel the need of the protection afforded by limited liability. It is unfortunate, however, that the price of such protection should be the opening of the pharmaceutical profession to any person without qualifications other than the possession of the necessary capital.

### Disciplinary Action Against Assistants

*Clause 20.*—It is pointed out that there appears to be no provision whereby the Statutory Committee has power to strike the name of an apprentice or assistant out of the register and it is recommended that the necessary provision should be included.

*Clause 23.*—It is recommended that Clause 23 should be amended by inserting a full point after the words "registered pharmaceutical chemist," and deleting the remainder of the



use. The clause as printed has aroused much comment in all quarters, and has, indeed, been most severely criticised in the entire Bill. The general feeling is strongly against making a distinction between one pharmaceutical qualification and another. The clause as printed would prevent a person having taken any of the modified examinations set up under the Act of 1925 from being appointed as secretary. It is pointed out that, in the 1925 Act, persons taking the modified examinations were specifically guaranteed all the rights and privileges of pharmaceutical chemists in Northern Ireland (Part Two, Section 5, Paragraph 6b). The clause as printed would also debar every foundation-member of the Society, and any person having the Great Britain qualification. This last might be prejudicial to the reciprocity agreement with the Pharmaceutical Society of Great Britain. It is felt that the Council of the Pharmaceutical Society of Northern Ireland may be relied upon to choose the most suitable candidate, irrespective of which pharmaceutical examination he has passed.

**Clause 36, Paragraph 5.**—It is recommended that this clause should be modified by inserting the full point after the words "pharmaceutical chemist" in paragraph 1, and deleting the remainder of the paragraph. The reasons for this recommendation are the same as those set out in our recommendation concerning paragraph 23 (qualification of secretary). As the Minister of Home Affairs appoints the Inspector it is felt that there is no necessity to specify any particular pharmaceutical qualification. It is asked that the records of prescriptions containing poisons, which are required to be kept by doctors, dentists and veterinary surgeons, should be subject to the same inspection as similar records kept by authorised sellers of poisons.

**Amendment to Pharmacy, Medicines and Poisons Act (Northern Ireland) 1925.**—It is recommended that Section 16 (2) should be amended by deleting all the words following the words "pharmaceutical chemist"; the feeling is that the medical profession would welcome the amendment, since some doctors are at present required to undertake dispensing work in addition to their normal medical duties, and would be glad to be relieved of the extra burden.

## Scheduled Poisons

**Poisons Schedule.**—It is recommended that mercurous chloride and phenolphthalein be added to Part 1 of the Poisons Schedule. There is at present a considerable retail business in proprietary laxative medicines containing these substances, and in the public interest it is advisable that they should be sold only under qualified supervision. The indiscriminate use of such substances is felt to be extremely dangerous, and confidence is expressed that the Pharmaceutical Society and the Medical Faculty of Queen's University will support the inclusion of these two substances in Part 1 of the Poisons Schedule.

**Clause 8.**—It is recommended that Clause 8 and the following clauses concerning member-

ship of the Society, setting up of Statutory Committee, and matters connected therewith, should be adopted, and that a provision should be included in the Bill to prevent unregistered persons from being trained in pharmacy, i.e., the compounding and dispensing of medicines and sale of poisons by retail should be conducted only by pharmaceutical chemists, or by registered apprentices under the supervision of pharmaceutical chemists. Provision should, of course, be made for the avoidance of individual hardship, and it might be found necessary to fix an appointed day for the introduction of the new provision, some time ahead. It should also be borne in mind that some chemists in Northern Ireland are permitted, by reason of having qualified before 1925, to train apprentices for the Eire pharmaceutical examination. Provision does not appear to have been made in the Bill to give the inspector adequate powers to enforce the provisions concerning the sale of poisons in Part 3 of the Poisons Schedule. Members ask that this should be clearly understood, and any necessary provisions included.

**Ulster Associates' Section.**—A meeting arranged by the Associates' Section of the Ulster Chemists' Association was held in Belfast on March 15, when the chairman (Mr. W. H. Boyd) gave an account of progress made by the Section since its formation, and particularly of work done on amendments to the National Arbitration Tribunal Award 269. The council of the Association had considered these in detail, and many anomalies had been cleared up. He outlined the provisions of the Pharmacy, Medicines and Poisons Bill, and the secretary of the Association (Mr. James McClenahan) gave a brief account of proposed amendments that had been ratified by a special general meeting of members and associates.

**Londonderry Welcomes U.C.A. Officers.**—The president and secretary of the Ulster Chemists' Association (Messrs. A. E. Johnston and James McClenahan) paid a visit to the Londonderry Chemists' and Druggists' Association recently. Mr. S. Dale occupied the chair. Both officers spoke at length on the new Medicines, Pharmacy and Poisons Bill (Northern Ireland) and on National Health Insurance matters. Members present expressed strong views on the inadequacy of N.H.I. remuneration. It was arranged that a special meeting of the Londonderry Association should be held forthwith to consider the Medicines, Pharmacy and Poisons Bill, and to forward its recommendations to the U.C.A. The hope was expressed that the visit of the U.C.A. officers would become an annual event.

## APPROVED PROPRIETARY INSECTICIDES

A REVISED list of proprietary insecticides and fungicides approved by the Ministry of Agriculture and Fisheries and Department of Agriculture for Scotland has been issued. Products in groups other than those shown in the list have not yet become eligible for consideration under the scheme. The list comprises:—

### Group A: Lead Arsenate Powders

Alvesco ..	..	Murphy Chemical Co., Ltd.
Boots ..	..	Boots Pure Drug Co., Ltd.
Buggé's ..	..	Buggé's Insecticides, Ltd.
Corfe's ..	..	Corfe & Son, Ltd.
Hemway ..	..	Hemingway & Co., Ltd.
Hutchinson's ..	..	H. L. Hutchinson
Lunevale ..	..	Lunevale Products, Ltd.
McDougall's		
McDougall's (Super arsenate)	Plant Protection, Ltd.	
Mon Rose ..	..	George Monro, Ltd.
Murphy's ..	..	Murphy Chemical Co., Ltd.
P.B.I. ..	..	Pan Britannica Industries, Ltd.
Summit ..	..	W. J. Craven & Co., Ltd.
Technical Products, Ltd.	Technical Products, Ltd.	

### Group B: Lead Arsenate Pastes

Abol ..	..	Plant Protection, Ltd.
Boots ..	..	Boots Pure Drug Co., Ltd.
Corfe's (15 and 20 per cent. $As_2O_5$ )	Corfe & Son, Ltd.	
Eclipse ..	..	Buggé's Insecticides, Ltd.
Hemway (15-16 and 20 per cent.)	Hemingway & Co., Ltd.	
Hemway colloidal		
Hutchinson's		
Hutchinson's colloidal	H. L. Hutchinson	
Lunevale (15-16 and 20 per cent.)		
Lunevale semi-fluid (15-16 and 20 per cent.)	Lunevale Products, Ltd.	
Lunevale colloidal	Lunevale Products, Ltd.	
McDougall's ..	Plant Protection, Ltd.	
Mon Rose ..	..	George Monro, Ltd.
P.B.I. ..	..	Pan Britannica Industries, Ltd.

### Group C: Lime Sulphur Washes

Berk's ..	..	F. W. Berk & Co., Ltd.
Boots ..	..	Boots Pure Drug Co., Ltd.
Corfe's ..	..	Corfe & Son, Ltd.
Craven's ..	..	W. J. Craven & Co., Ltd.
Dussek ..	..	Dussek Bros. & Co., Ltd.
Eclipse ..	..	Buggé's Insecticides, Ltd.
Hutchinson's ..	..	H. L. Hutchinson
Lawes ..	..	Lawes Chemical Co., Ltd.
Limsul ..	..	Plant Protection, Ltd.
Longmate's ..	..	E. C. Longmate, Ltd.
Monro's ..		
Mon Rose ..	George Monro, Ltd.	
Murphy's ..	..	Murphy Chemical Co., Ltd.
Sulfinette ..	..	Plant Protection, Ltd.

Sulfim ..	..	Pan Britannica Industries, Ltd.
Technical Products, Ltd.	Technical Products, Ltd.	
Vitax ..	..	Ormskirk Fertiliser Co.

### Group D: Miscible Tar-oil Winter Washes

Abolene ..	..	Plant Protection, Ltd.
Boots ..	..	Boots Pure Drug Co., Ltd.
Buggé's British ..	..	Buggé's Insecticides, Ltd.
Carbo-Craven ..	..	W. J. Craven & Co., Ltd.
Dussek brand miscible	Dussek Bros. & Co., Ltd.	
Hibernol standard	Pan Britannica Industries, Ltd.	
Ialine ..	..	Burt, Boulton & Haywood, Ltd.
Kilcrobe miscible ..	..	Hull Chemical Works, Ltd.
Killgerm miscible ..	..	Killgerm Co., Ltd.
Lawes miscible ..	..	Lawes Chemical Co., Ltd.
McDougall's standard	Plant Protection, Ltd.	
Monro's miscible ..	..	George Monro, Ltd.
Mortegg ..		
Miscible Mortegg	Murphy Chemical Co., Ltd.	
Pearson's miscible ..	Pearson's Antiseptic Co., Ltd.	
Pestdorm miscible (Black)	South Bank Chemical Co., Ltd.	
Sterilite miscible ..	..	William Butler & Co. (Bristol), Ltd.
Technical Products, Ltd. (80 per cent. miscible)	Technical Products, Ltd.	
Welspra M.O. ..	..	Welsh Navigation Steam Coal Co., Ltd.

### Group E: Stock-emulsion Tar-oil Winter Washes

Dussek brand ..	..	Dussek Bros. & Co., Ltd.
Edwent standard ..	..	Edwards & Bent, Ltd.
Emulsion Mortegg	Murphy Chemical Co., Ltd.	
Hibernol plus	Pan Britannica Industries, Ltd.	
Hibernol special		
Killgerm ..	..	Killgerm Co., Ltd.
Lawes ..	..	Lawes Chemical Co., Ltd.
Longmate's standard	E. C. Longmate, Ltd.	
Mon Rose W.X. ..	..	George Monro, Ltd.
Spraymac ..	..	Plant Protection, Ltd.
Sterilite ..	..	William Butler & Co. (Bristol), Ltd.
Technical Products, Ltd.	Technical Products, Ltd.	
Welspra S.E. ..	..	Welsh Navigation Steam Coal Co., Ltd.
W.X. Anti-freeze (sulphite lye emulsion)	George Monro, Ltd.	

### Group F: Organo-mercury Dry Seed dressings

(Containing organo-mercury compounds as the sole active principle.)

Abavit B ..	..	British Schering, Ltd.
Agrosan G ..	..	Plant Protection, Ltd.
Ceresan ..	..	Bayer Products, Ltd.



pyresan ..	Boots Pure Drug Co., Ltd.
ytosan ..	F. W. Berk & Co., Ltd.
ytosan C.C.	Alexander Cross Seed Co., Ltd.
anasan ..	Lunevale Products, Ltd.
ain's Triangle brand	John Swain, Ltd.

**Group G: Derris and Lonchocarpus Insecticides to be used as Dusts**

oots ..	Boots Pure Drug Co., Ltd.
ymac ..	Plant Protection, Ltd.
ymac No. 2	
C.P. Derris (heavy)	International Toxin Products, Ltd.
C.P. Derris (light)	
onro's Lonchocarpus (heavy)	George Monro, Ltd.
onro's Lonchocarpus (light)	
on Rose derris	
on Rose flea-beetle ..	Murphy Chemical Co., Ltd.
on Rose insect	
otomort derris	
tax derris ..	Ormskirk Fertiliser Co.
ee-Bee 40	W. J. Craven & Co., Ltd.
ee-Bee 41	

**Group H: Derris and Lonchocarpus Insecticides to be Used as Sprays**

ol liquid derris ..	Plant Protection, Ltd.
oots derris ..	Boots Pure Drug Co., Ltd.
actine ..	W. J. Craven & Co., Ltd.
actinol ..	
extrak derris	Murphy Chemical Co., Ltd.
ranton ..	
C.P. liquid derris	International Toxin Products, Ltd.
atakilla ..	Plant Protection, Ltd.
orto derris insecticide	Murphy Chemical Co., Ltd.
atane (derris solution)	Technical Products, Ltd.

**Group J: Copper Fungicides (Exclusive of Seed-dressings) to be Used as Dusts**

Chief crops for which products are recommended given in brackets; labels give full uses and instructions:—

pyryl (hop, apple and pear)	W. J. Craven & Co., Ltd.
ngmate's Bordeaux (potato, celery)	
ngmate's original copper (hop, apple and pear)	E. C. Longmate, Ltd.
Dougall's dry Bordeaux (hop)	
urphy's copper time dust (hop, apple and pear)	Plant Protection, Ltd.
urphy's potato melan 1 (potato)	
P. potato	Murphy Chemical Co., Ltd.
	Plant Protection, Ltd.

**Group K: Copper Fungicides (Exclusive of Seed-dressings) to be Used as Sprays**

Chief crops for which products are recommended given in brackets; labels give full uses and instructions:—

Abol Cheshunt compound (damping-off diseases only)	Plant Protection, Ltd.
Berk's sprayable cuprous oxide (potato, tomato)	
Boots Cheshunt compound (damping-off diseases only)	F. W. Berk & Co., Ltd.
Bouisol (tomato, rose)	
Coppesan (potato)	Boots Pure Drug Co., Ltd.
Fungex liquid copper (tomato)	
Hemway copper oxychloride	Murphy Chemical Co., Ltd.
Ialine colloidal copper compound (hop, apple and pear)	
Perenox (potato, tomato, hop, celery)	Hemingway & Co., Ltd.
Seo (potato, tomato)	
	Burt, Boulton & Haywood, Ltd.
	Plant Protection, Ltd.
	George Monro, Ltd.

**VETERINARY ABSTRACTS**

**Zinc Phosphide Poisoning of Poultry.—**

Zinc phosphide is being extensively used for the destruction of rats, and cases of poisoning of poultry have been reported. In the "Veterinary Record" (January 13, p. 17) Hare and Orr report that, after feeding thirty-seven geese, twenty-two were found dead during the morning. The food was found to contain gr.  $1\frac{1}{2}$  zinc phosphide per oz., and of two gizzards one contained gr.  $\frac{1}{8}$ , and the other gr.  $\frac{1}{2}$  per ounce. In another case ten pullets were found dead out of sixteen which had been fed. There was acute necrosis of the liver, engorgement of the heart by dark blood and an odour of carbide in the gizzard contents.

**Horse Poisoned by Water Dropwort.—**

Milne ("Veterinary Record," January 20, p. 30) records the poisoning of a horse by (*Enanthe crocata* (water dropwort). The horse developed maniacal symptoms. Although a full dose of chloral hydrate was given per rectum, and carbamylcholine hypodermically, the animal sank to a recumbent position and later died. Extirmination of this dangerous weed from pastures to which stock have access is urged. The herb is well known to pharmaceutical students as a possible adulterant of hemlock. It may be readily distinguished by its tuberculated roots, the juice of which turns yellow on exposure to the air.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

### 28 Essex Street, W.C.2, April 4

LITTLE of interest has occurred in the London drug markets in the few days since our last report. Prices are firm, without appreciable fluctuation. Conditions in the PHARMACEUTICAL CHEMICALS markets remain quietly steady, with quoted prices unchanged except for a substantial reduction in the scale of prices for SANTONIN, details of which will be published in next week's issue. Most of the business in CRUDE DRUGS has come from the home consuming trades, and prices are maintained at about the levels noted last week. The usual periodical survey of available stocks of drugs and chemical products is being made by the Directorate of Medical Supplies; the current list of drugs contains several additions. ALOES is not in good supply. The Ministry of Supply has decided to reduce the present selling price of all grades of refined ARSENIC by £10 per ton from April 3. CANADA BALSAM is firm at the lower price recently recorded. Spot stocks of BENZOIN are exhausted, and buyers are unable to obtain their requirements. ZANZIBAR CLOVES, the only variety available, is steady. Demand for COLOCYNTH is quiet, and the price is unchanged. Firm conditions obtain for GUM ACACIA. SENNA is in good demand at unaltered rates. Remaining supplies of TURMERIC are firmly held. WAXES are unchanged. There is no change to report in the price of the ESSENTIAL OILS distributed under the control scheme, and no alteration is made in the existing price of refined oils and imported edible animal fats allocated to primary wholesalers and large trade users during the eight-week period April 1 to May 26. Some reductions are notified, however, in the official price of various grades of SPERM.

### Pharmaceutical Chemicals

ACETANILIDE.—Steady at 2s. 5d. per lb. for crystals, and 2s. 6d. for powder.

AMPHETAMINE.—Quoted by makers at 150s. per lb.

ASPIRIN.—Demand continues fair. Prices, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

BARIUM SULPHATE (x-ray).—Quoted at the following rates per lb., in quantities of 28 lb.—

1 cwt. (containers in brackets): 1s. 5½d. (1-lb. 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb. 1s. 2d. (28-lb.).

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. 4½d. 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. NITRATE and SULPHATE.—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

CALAMINE, B.P.C.—Prices are steady as follows: 7-lb., 1s. 8d. per lb.; 28-lb., 1s. 6d.

CITRATES.—Makers' prices per lb. are as follows: POTASSIUM, in 28-lb.—1 cwt. 1d. (containers in brackets): 3s. 6½d. (1-lb. 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb. 3s. 3d. (28-lb.); IRON and AMMONIUM (SCALE B.P.), is at 2d. per lb. above, and SODIUM is 3d. per lb. below these prices. POTASSIUM and SODIUM POWDER, one penny per lb. extra.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz. 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz. 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz. 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz. 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz. 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz. 38s. 9d.

LACTATES.—Prices are as follows: LACT ACID.—Six-winchester lots, 3s. per lb.; small quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb. 14-lb., 3s. 4d.; 28-lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, LIGHT.—Makers' home market prices per lb., in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 3½d. (1-lb.); 1s. 2d. (4-lb. 1s. 1d. (6-lb.); 1s. 0½d. (14-lb.); 1s. (28-lb. Prices net one month.

MAGNESIUM TRISILICATE.—Home market prices per lb., for quantities of 28 lb.—1 cwt. are as follows (containers in brackets): 3s. 9 (1-lb.); 3s. 7½d. (4-lb.); 3s. 6½d. (7-lb.); 3s. 6 (14-lb.); 3s. 5½d. (28-lb.). Prices net one month.

SANTONIN.—We are advised that a revised schedule of prices, which came into force on April 3, and which shows substantial reduction in values, has been agreed upon. Details will be published in next week's issue.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxyleneol type.

THEOBROMINE.—The following prices are ruling: ALKALOID.—Small, 44s. 6d. per lb. 7 lb.—28 lb., 43s. SODIUM SALICYLATE.—Small 26s. 3d.; 7 lb.—28 lb., 25s. 3d. Tins extra will be supplied.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d. 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.



## Crude Drugs

**ALOE.**—There are no spot supplies at present.

**ARSENIC.**—Selling price of refined (all grades) has been reduced by £10 per ton.

**BALSAMS.**—*Canada*, steady at 11s. 6d. per lb.; *Peru*, 7s. 9d. to 8s., duty paid; *Tolu* and *opaiba*, unobtainable.

**BENZOIN.**—Demand continues, but spot supplies are exhausted.

**BUCHU.**—New crop is quoted at 5s. 3d. per lb., landed.

**CARDAMOMS.**—Current spot prices are as follows: Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

**CLOVES.**—Zanzibar, spot, sellers at 1s. 5½d. per lb.

**COLOCYNTH.**—Fair white pulp is priced at 10½d. per lb., on spot.

**DIGITALIS LEAVES.**—Portuguese, spot, 140s. per cwt.; English, 2s. 6d. per lb.

**ERGOT.**—Supplies are scarce. Any available good-quality material would be worth 6s. 6d. per lb.

**GUM ACACIA.**—Kordofan cleaned sorts, spot, 1s. per cwt.; bleached, spot, 175s.; Talha, cleaned, 50s. per cwt., landed.

**HENBANE.**—Indian, 250s. per cwt.; some low-testing material may be had at 60s. per cwt.; Russian, 350s.; Egyptian (*muticus*), 75s.

**JABORANDI.**—Spot supplies are in small compass; price, 65s. per cwt.

**MERCURY.**—Official quotations range from 18s. 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and re-distilled grades.

**MYRRH.**—Good-quality Aden sorts is valued £20 per cwt.

**NUX VOMICA.**—Cochin, spot, steady at 37s. 6d. per cwt.; shipment, 31s. 6d., c.i.f.

**PEPPER.**—Maximum prices of whole pepper, not picked over or cleaned, on sale to processors, 14d. per lb. for white and 1s. per lb. for black.

**PIMENTO.**—Sellers on spot at 1s. 3½d. per lb.

**QUASSIA.**—Spot, 37s. 6d. to 40s. per cwt., according to quantity.

**QUILLAIA BARK.**—Crushed or cut, spot, 80s. per cwt.; natural, 80s.; shipment, 85s., c.i.f.

**RHUBARB.**—Rough-round is unobtainable at present.

**SEEDS.**—Extremely quiet conditions obtain. Current rates are as follows: **CORIANDER.**—Practically no supplies available; price nominal 65s. per cwt. **CUMIN.**—Maltese, spot, 110s.; buyers; Indian, 110s., buyers. **DILL.**—London, 8s.; Liverpool, 80s. **FENNEL.**—Higher at 80s., business done and sellers. **FENUGREEK.**—London, 75s.; Liverpool, 67s. **MUSTARD.**—Controlled prices are unchanged.

**SENNA.**—Alexandrian medium pods are at 1s. per lb.; Tinnevely, manufacturing grade, 1d. to 6½d.; hand-picked, 8½d. to 1s.; broken

Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

**SQUILL.**—Indian bulb, dried and sliced, is quoted at 40s. to 45s. per cwt., according to quantity. Portuguese, 80s. to 87s. 6d.

**STRAMONIUM LEAVES.**—Dealers quote Indian leaves on spot at 80s. per cwt.

**STROPHANTHUS SEED.**—100 per cent. Kombé seed, unchanged at 7s. to 7s. 6d. per lb., as to quantity.

**TRAGACANTH.**—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

**TURMERIC.**—Spot supplies are in small compass and the price is firm.

**VALERIAN ROOT.**—Only powdered root is available; price, 120s. per cwt.

**WAXES.**—**BEES'**—Available in London at the following prices per cwt., delivered at store, U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion. **CARNAUBA.**—Fatty grey, 535s. per cwt., ex store, in minimum one-bag lots; shipment, nominal; Primeira, 580s. per cwt., ex store; shipment, 460s.; nominal, c.i.f.; medium yellow, 575s. shipment, 445s., nominal, c.i.f.; chalky grey, 530s., nominal; shipment, 400s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). **CANDELLILA.**—To arrive. Under 1 ton, 220s. per cwt.; 1–5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. **OURICURI.**—Spot, 305s. to 330s. per cwt.; shipment, 260s., c.i.f.

## Essential and Expressed Oils

**CITRONELLA.**—Ceylon, spot, about 21s. per lb.; Java, approximately 27s. 6d.

**CLOVE.**—No change in the price of English-distilled at 12s. 6d. to 13s. per lb.

**EUCALYPTUS.**—Any available supplies of 70 to 75 per cent. would be worth approximately 8s. 6d. per lb.

**GINGERGRASS.**—Small quantities are quoted at about 22s. 6d. per lb.

**NUTMEG.**—English distillers' prices are steady at around 45s. per lb.

**RAPESEED.**—Official price remains at £88 per ton, naked ex works.

**SPERM.**—The following reductions have been notified for the five weeks ending May 5: Crude heads, reduced to £54 per ton; blubber, to £54; carcase, to £52; No. 3, to £51, all ex store, drums included. If naked ex works, prices are at £3 per ton less.

## CORRESPONDENCE

## Herbert Skinner Memorial

SIR,—At a meeting of the executive committee of the North London Pharmaceutical Association held on March 23, it was unanimously agreed to make an appeal for a memorial to the late Mr. Herbert Skinner. It was agreed that any moneys collected should be used for furnishing the Codex Committee room in the new building in Brunswick Square. A small committee was selected, consisting of Messrs. T. C. Neville Booth, A. E. Footitt, and G. F. Weiss, with Mr. J. C. Young as treasurer. May I ask you to give publicity to this appeal?

Yours faithfully,

London, N. GEORGE F. WEISS,  
for executive committee,  
North London Pharmaceutical Association.

## Centenary of a Business

SIR,—Recently we celebrated the centenary of our business, on which you published an article in your issue of June 1, 1935. The premises have not been altered since that date, with the exception of new window enclosures put in by S. Maw, Son & Sons, Ltd., a few years ago, which effected a great improvement without altering the character of the premises. The business was established by my uncle, the late Mr. T. B. Baker, who joined the Pharmaceutical Society the following year (1846), the number of his diploma being 2056. The business developed and became the first bank and first post office in Cosham, as well as the centre of veterinary and agricultural business in the surrounding country. My uncle carried on for fifty-six years, and I succeeded him, taking over on Lady Day, 1901. I am thus now completing forty-four years of proprietorship. In my time Cosham has changed from a country village three miles away from Portsmouth to one of the largest wards of the city. Next week I hope to refill our fine old 12-gall. carboys, which had to be emptied for safety during the war period. This is not an easy job at my age, but I am making the attempt.

Yours faithfully,

Cosham, Portsmouth. C. H. BAKER.

[Our congratulations to Mr. Baker on celebrating a personal as well as a notable business anniversary. His spirited approach to present problems will be widely admired.—EDITOR.]

## TRADE MARKS

(From "The Trade Marks Journal," March 7)

"SPRING SONG"; for edible oils and fats (29) By S. G. Stevens, Ltd., 2 Shirley Street Hove, 3. 632,976.

"GOLDEN GRILL"; for vinegar (30). B Fletcher's Sauce Co., Ltd., Barby Road Selby, Yorks. 632,358 (Associated).

(From "The Trade Marks Journal," March 21)

"DENCO"; for chemical products for use in medical science (1). By The Denver Chemical Manufacturing Co., c/o Mewbur Ellis & Co., 70 and 72 Chancery Lane, London, W.C.2. 629,845.

"SUN-GLO"; for perfumes, cosmetics, toilet preparations, etc. (3); pharmaceutical preparations (excluding medicated salts) (5) By F. Tattersall, 45 Bank Hey Street Blackpool. 631,788-89 (both Associated).

"ELASEL"; for toilet preparations (3). B Rushtons (Wholesale), Ltd., 52 West Street Southport. 632,084.

"SNOWTEX"; for laundry bleaching preparations and ammonia (3). By M. M. Hunter & Co., 103 Giles Street, Leith, Edinburgh, 632,256.

"ROBOT"; for soap powder (3). By Gerard Brothers, Ltd., The Soap Works, Wilkinsons Street, New Basford, Nottingham. 632,385.

"RENTOKIL" (device of beetle—disclaimed); for insecticides (5). By Rentokil, Ltd., 16 Stockwell Road, London, S.W.9. 629,80 (Associated).

"VENSORB"; for carbon prepared for use in medicine and pharmacy (5). By Sutcliffe Speakman & Co., Ltd., Guest Street, Leigh Lancs. 630,745.

"CARZOLINE"; for pharmaceutical analeptic and stimulant preparations for use in the treatment of cardiac complaints (5). B Savory & Moore, Ltd., 61 Welbeck Street London, W.1. 631,296 (Associated).

"SWANSDOWN"; for sanitary towels; and for toilet paper, paper handkerchiefs and paper tissue (all medicated) (5). By Swan Mill Paper Co., Ltd., 92 Regent Street, London W.1. 631,453 (Associated).

"CEREVON"; for pharmaceutical substance (5). By Calmic, Ltd., Lostock Grange, West Loughton, Lancs. 631,738.

"ISOBROM"; for pharmaceutical preparation of bromine compounds (5). By Clinica Products, Ltd., 2 The Green, Richmond Surrey. B631,743 (Associated).

"VINTADIN"; for medicated tonic preparation (5). By Gale, Lister & Co., Ltd., Galist House, Corn Exchange, Leeds. 632,00 (Associated).

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2 is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D. 17 Argyle Street, Bath, Somerset.



THE HALL MARK OF

PHARMACEUTICAL DEPENDABILITY



PACKED PHARMACEUTICALS

## AILMENT NAMED MIXTURES

A range of Mixtures in general demand; dispensed from reliable formulæ (given on labels together with full directions) in Burgoyne's oval screw cap panel bottles.



Backache and Kidney Mixture  
Bismuth, Soda and Pepsin Mixture  
Blood Purifier, Iodised      Bronchial Mixture  
Catarrh Mixture      Cold and Influenza Mixture  
Diarrhoea Mixture  
Gout and Rheumatic Mixture      Gripe Mixture  
Headache and Neuralgia Mixture      Nerve Tonic  
Pectoral Elixir      Stomach and Liver Mixture  
Vigour Tonic

All packed in 8 oz. Bottles, 9/- per dozen

Exclusive of Purchase Tax

# BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E.6

DRUGS, GALENICALS, PROPRIETARIES

Makers of 'Vitasac'

**R. SUMNER & CO. LTD.**

HANOVER STREET · LIVERPOOL, 1

S.124

**TRAGACANTH**SPECIALISTS IN B.P. POWDER.  
SAMPLES AND PRICES ON REQUEST.FREUDENTHEIL, SMITH & CO., 16 Philipot Lane,  
London, E.C.3.

MANsion House 1924 &amp; 6600.

Estd. 1826

**GUM TRAGACANTH  
GUM KARAYA  
GUM ACACIA**

WHOLE and POWDERED

SAMPLES AND PRICE ON APPLICATION

**SALEM (Pulverized Tragacanth) LTD.**

11a Wormwood Street, London, E.C.2

TEL. LONDON WAL. 1910

for more than  
**Fifty Years**  
Importers and Exporters of  
Essential Raw Materials to  
the Chemical, Pharmaceutical,  
Food, Confectionery, Perfumery,  
Veterinary and Allied  
Manufacturing Trades.

Wholesale Enquiries  
solicited for:—Balsams, Barks, Crude Drugs,  
Gums and Resins, Roots,  
Seeds and Spices, Waxes, etc.  
Stocks held in London and  
ProvincesCorrespondents in every ac-  
cessible World Market

ESTD 1893

**H. Frischmann**62-63 FENCHURCH STREET, LONDON, E.C.3  
& 237A GOLDERS GREEN ROAD, N.W.11Telegrams: Frischmann London  
Telephones: Royal 1878  
Speedwell 9212**MAG. CARB. POND.**

B.P.

Prompt Delivery

Competitive Prices

**DUNN BROS. (Succrs.) LTD.**

1 Booth Street, MANCHESTER

**STAINED!**

For the "professional style" cleaning of DAINY AND DELICATE FABRICS, SUITS, HATS, SATIN AND BROCADE SHOES, GLOVES, SCARVES, TIES, CARPETS, also for WINDOWS, MIRRORS, BATHS, PAINTWORK, etc., use Solitaire Dry Cleaner.

Solitaire Dry Cleaner is perfection itself for the cleaning of all fabrics, no matter how dainty. No chemical bleaching action. Leaves no "ring." Non-inflammable. Different from other solvents—cleans by the action of millions of tiny globules which gently carry away all dirt.

Sold in bottles price 1/9 at Grocers, Chemists, Stores, etc.

**SOLITAIRE  
DRY  
CLEANER**

FURMOTO CHEMICAL CO. (FACTORS) LTD.  
1-3 Brixton Road, London, S.W.9



*Announcing*

# ESōBAN CREAM OF CALAMINE

*A Seasonable line which can  
be prescribed for sunburn and  
all summer skin disorders.*

*Chas. F. Haekray*  
LTD

THE OLD MEDICAL SCHOOL, PARK STREET, LEEDS 1  
SOLE DISTRIBUTORS FOR SOUTHERN LABORATORIES, LONDON, S.W.15

## A NEW ESōBAN PRODUCT

A soothing emulsion possessing  
the essential features of the  
ESōBAN Skin Treatment. Suit-  
able for all skin conditions where  
Calamine in an oily medium is  
required.

**RETAIL 2/6 per 4 oz. BOTTLE**

inclusive of purchase tax.

**SUBJECT TO 33½% DISCOUNT**

*All orders and enquiries to:*

Preparations of

# Digitalis purpurea

## Digitalis Leaf Tablets

$\frac{1}{2}$  GRAIN

EQUIVALENT TO

0.3

INTERNATIONAL UNITS

1 GRAIN

EQUIVALENT TO

0.6

INTERNATIONAL UNITS

IN BOTTLES OF 100 AND 500

These tablets are prepared from Digitalis  
purpurea grown on our own Pharma-Farm.  
Each year the plant is cultivated from  
the same strain thus ensuring

**UNIFORM THERAPEUTIC ACTIVITY**

**DUNCAN, FLOCKHART & CO.**

EDINBURGH & LONDON



## **SOUTH AFRICA AND RHODESIA**

Look the world over—find, if you can, a market anywhere that can rival the opportunity offered you now by the UNION OF SOUTH AFRICA AND RHODESIA.

PROSPERITY'S smoke is pouring from its many rich Gold Mines and numerous industries.

GOLD PRODUCTION in South Africa has never before been so great and its price so high.

MANUFACTURERS OF PROPRIETARY PATENT MEDICINES AND TOILET PREPARATIONS will find this an extremely profitable market, and an excellent field for the promotion of British exports.

DRUGS & TOILETS (PTY.) LIMITED. Sole South African distributors for a number of well-known proprietary products offers a complete sales, warehousing and merchandising Service. From Headquarters in Johannesburg, and branches in Cape Town, Port Elizabeth, East London, Durban, Salisbury and Bulawayo, salesmen actively canvass the trade throughout the entire territory and supply from full stocks held at each of their branches.

DRUGS & TOILETS (PTY.) LIMITED BUYS OUT-RIGHT AND PAYS CASH IN LONDON for all its requirements through their London Office.

Write to

**DRUGS AND TOILETS (PTY.) LIMITED**  
P.O. Box 2801, Johannesburg, South Africa



## **A-D CAPSULES N.W.F**

**CAPSULA LIQUORIS VITAMINORUM A et D  
CONCENTRATI**

(CAPS. LIQ. VITAMIN A et D CONC.)  
NATIONAL WAR FORMULARY, AMENDMENT  
No. 2 (JANUARY 1943)

Each capsule is equivalent in Vitamin A content to 4,500 units of Vitamin A and 450 units of Vitamin D in 3 minims of an oily medium.

**DOSE:** 1-2 Capsules a day, or as otherwise prescribed.

Price on application



**REGANON LABORATORIES LTD**

BRETENHAM HOUSE, LONDON, W.C.2

Telephone: Temple Bar 6785

Telegrams: Menformon, Rand, London

## **ARE YOU SHARING in the Business which H.B.T. CHLOROPHYLL and YEAST TABLETS**

are bringing to many  
Chemists?

**IF NOT—BEGIN NOW!**

For Rejuvenation and Vitality they are unsurpassed and they contain no drugs.

Only in two sizes presently.

**3/- and 6/- inc. Pur. Tax.**

Through any Wholesaler or direct from.—

**HUNTER BEATTIE PRODUCTS, LTD.**

Glasgow, S.E. BCM/HBT. London, W.C.1

## **PILLS TABLETS CAPSULES**

The  
British  
Made  
Products  
of

**HOWARD LLOYD & CO LTD  
LEICESTER**



# PRE-WAR QUALITY



*Essential Food &  
Drug Containers*

The 'gearing' of our activities to give the utmost aid to the Country's War Effort has naturally affected the variety of glass containers we are now able to offer—but quality remains the same. Owing to staff reductions our activities must perforce be restricted to bottles for Essential Food and Drug requirements. In the meantime, our many friends will realise that we are giving the best possible service under somewhat onerous conditions.

*Wholesale  
and  
Export  
only*

## LAX & SHAW LTD

London Office:  
24 Ludgate Hill,  
E.C.4.  
Phone City 7170

## Announcement

by

**T. J. SMITH & NEPHEW LTD**

To meet the growing demand by modern women for the 'insertion' type of sanitary protection, we have now made available to Wholesale Chemists limited supplies of—

*Lil-lets*

### A NEW AND IMPROVED SANITARY TAMPON

Lil-lets are *sanitary towels* compressed to tampon shape for internal use. They are made from highly absorbent cotton completely enclosed in absorbent gauze, and no applicators are required.

Lil-lets are issued in attractive cartons containing 4 packets of 3, wrapped in transparent film, retailing at

**1/9 PER CARTON OF 12 TAMPONS**

*Trade Price*

**15/4 PER DOZEN CARTONS, NET**

*Made in England by*

**T. J. SMITH & NEPHEW LTD • HULL**

ELASTOPLAST ★ LILIA

*Harley's  
Toilet Rolls*

are war-time standard which will be restored to their original Pure Manila quality as soon as paper supplies are available.



**HAROLD WESLEY LTD.**  
HARLEY MILLS, LONDON, N.W.10

## "CYCLOCHEM"

### EMULSIFIERS & SELF-EMULSIFYING WAXES

*of the finest quality for all kinds  
of Pharmaceutical and Toilet  
Preparations*

### ENQUIRIES INVITED

Samples and Descriptive Leaflets  
on request

★

**CYCLO CHEMICALS LIMITED**

Manfield House, Strand, London, W.C.2

Works: King's Cross, W.C.1.

Telephone: TEMple Bar 3855, 8619 and 1888



# SALTER

Self-Indicating  
Personal & Baby  
SCALES



Now sold by licence for essential use  
Details on request

GEO. SALTER & CO. LTD.,  
WEST BROMWICH

M-W.53

*Greatest  
Boon & Comfort  
for Women*



## LUNA

### THE MODERN SANITARY TOWEL

Retail: 2/- for 10; 1/- for 5

From all Chemists and Wholesalers

**LUNA INSERTS LTD**  
**24 HIGH ST. LONDON. E.11**

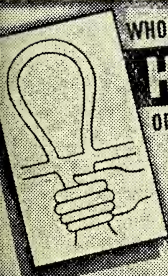
TO WHOM IT MAY CONCERN **BROOKS RUPTURE APPLIANCES:**

## WARNING!

The name "BROOKS" is registered as the Trade Mark of the Brooks Appliance Co. Ltd., for use in connection with Rupture Appliances.

Injunctions have been granted by the High Court of Justice restraining Traders from passing off Rupture Appliances or Trusses not the manufacture of the Brooks Appliance Co., Ltd., as if they were the Brooks Appliances manufactured by such Company and from using the term "Brooks pattern" or the word "Brooks" in connection with such appliances.

Brooks Rupture Appliances are obtainable only from the sole suppliers, Brooks Appliance Co., Ltd., 80 Chancery Lane, London, W.C.2, and Hilton Chambers, Hilton St., Manchester



WHOLESALE & EXPORT ONLY

## HYPODERMIC NEEDLES

OF ALL DESCRIPTIONS

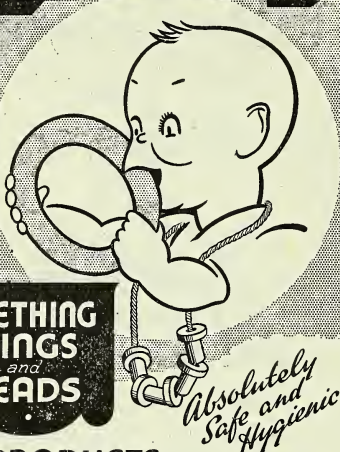
Original makers of **STAINLESS STEEL NEEDLES**  
Our Specialities Include the Original Record Fitting and  
N.H.I. Specification Hypodermic Needles  
Also the famous 'SUMMIT' hypodermic needles now **ALL**  
**BRITISH MADE**

Comprehensive catalogue sent on request Phone: Thornton Heath 3252-3

S. & R. J.

**EVERETT**  
& CO. LTD.

339, LONDON ROAD,  
THORNTON HEATH, LONDON. S.W.16

**HIGHLEE****TEETHING  
RINGS  
and  
BEADS***Absolutely  
Safe and  
Hygienic***A.B. PRODUCTS***Springlodge Works, Manningham Lane, Bradford,  
Telephone & Telegrams 6548/9*

WHOLESALE ONLY

I wish to hear from Exporters of Chemicals,  
Crude Drugs, Spices, Gums, etc.Inquiries are invited from Importers of Spanish  
Herbs and Roots, Crude Drugs and Essential Oils**RUPERTO BUSTO**

Cornella (Barcelona), Spain

**Good! it's MASON'S**The Chemists'  
FAVOURITE for  
over 75 YEARS**EXTRACT OF HERBS**  
A 9d. bottle makes 6 gallons of  
delicious sparkling Mason's Herb  
Beer. **GOOD PROFITS—QUICK SALES**  
Write for Trade Terms**NEWBALL & MASON LTD., NOTTINGHAM. Est. 1850**

WASHING MY  
**For** Silk Stockings  
CLEANING MY  
Carpet  
AND OF COURSE O  
Washed  
It must  
always be

And it's marvel-  
lous in the bath**SPRIM**

Triple-cleansing-strength

**AMMONIA**PER BOTTLE 9" AND 1'4" 2  
BRITISH DISINFECTANT CO. LTD., TOTTENHAM N 15**THE NATIONAL ASSOCIATION OF OPTICIANS**The next Examination will be held at  
Edinburgh on 7th, 8th and 9th May, 1945

The last date of entry is April 9th, 1945.

SYLLABUS and ENTRANCE FORMS, etc., from

SECRETARY, N.A.O., 130 Princes Road, Liverpool,

'VERLOG' (Trade Mark)

**SURGICAL ELASTIC HOSIERY**

Belts, Trusses, Suspensory Bandages, etc.

**ATHLETIC SUPPORTS**

Knee Caps, Anklets, Jockstraps

THOS. GLOVER &amp; SON, LTD., CARLTON, NOTTINGHAM

Tel.: 58227 (2 lines). 'Grams: Verlog, Nottingham

**S.Y.F.T. CONVERSION SETS TO 35 mm.**Conversion outfit for any Rollifilm Camera, VP, 116,  
616, 120 or 620 size, for the ample available 35 mm.  
film. Supplied with mask, easy to fix or remove.

Conversion sets with film for 108 exposures, all sizes.

Retail, £2 19s. ; also Special Purma set. All daylight  
loading. No alteration to camera itself.**TRADE ENQUIRIES INVITED****S.Y.F.T., Ltd., 56 George Street, Baker Street, London, W.1****S.Y.F.T. DIMMER (DIMSFT) for PHOTOFLO**Increases their life by 300 per cent. and more.  
dark-room use and also for Enlargers; decreases  
development.Switchboard with two plugs and masterswitch; oper-  
all your lamps from one switch: 1, off; 2, dimm-  
3, half set full; 4, all lamps full. Used for 2, 4  
lamps. Ample flex. Universal plug, instruction and  
round Exposure Table. Retail price, £2 15s.



THIRTY-TWO MILLION GALLONS of LIQUINURE SOLUTION are used every year. The demand for this important plant food is still increasing. Be sure to have good stock for spring and summer when our national advertising will be at the height. Packed in 2/6 bottles (General, Tomato, Onion), obtainable from your wholesaler.



**LIQUINURE**  
LIQUID MANURE

**LIQUINURE SALES**

27 Burnt Oak Broadway, Edgware, Middlesex

Cut to Perfect Register  
Neat, Attractive, Embossed  
**CORK TOP SEALS**

Pricing Tickets and  
Small Parcel Labels

Write for samples

Wm. SESSIONS, Ltd., The Ebor Press, YORK

Make a Name for Yourself—  
WITH

**VERDIERS QUALITY PREPARATIONS**

It contains 50 ANSWERS to your Sales and Salon problems in this book. Write for a copy together with our Price List and range of preparations.



\* VERDIERS LTD \*

Manufacturing Chemists  
35 OLD BOND STREET, LONDON, W.1  
Telephone REGENT 1387

# Bottle Crisis unless —

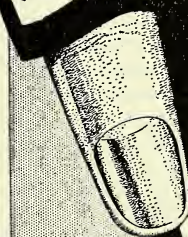
The return of *all* S.D.I. bottles is imperative and urgent. Millions of bottles are needed each week to carry drinks to the Forces overseas and those bottles cannot be returned. The bottle manufacturers, already faced with a shortage of fuel and labour, cannot both replace these and fully replenish the stocks of the manufacturers of soft drinks, who will have to rely largely on returned empties.

If all empties are returned the crisis may not arise; if not someone will have to go short of supplies and it may be YOU.



The Soft Drinks Industry (War Time) Association Ltd.  
CVA-30

**SELLOTAPE**  
SELF ADHESIVE CELLULOSE TAPE



Instantaneous  
finger pressure  
adhesion. All  
widths. Vari-  
ous colours,  
plain, trans-  
parent.

SUPPLIED for ESSENTIAL  
WORK ONLY

Official Distributors:

**GORDON & GOTCH LTD.**

Dept. CD2  
75/9 Farringdon St.  
London E.C.4

# GARDINERS for OVERALLS



## LONG OVERALL COATS (SHRUNK)

Men's. White or Khaki  
13/9, 15/-.

## Women's Overalls.

Cross-over style. White, Khaki,  
Navy, Green, Saxe - 11/9.  
Coats and Overalls: 3 coupons.

## Men's Super White Drill Jackets - 8/6, 9/11.

Jackets: 2 coupons.

State Chest measurement.  
Cash and coupons with order.  
Satisfaction Guaranteed.

Postage: 1 coat, 7d.; 2 coats,  
9d. Orders over £2, carriage  
paid.

**GARDINER & CO. (THE SCOTCH HOUSE) LTD.**

13 & 5 COMMERCIAL ROAD, LONDON, E.1

Opposite Aldgate East Station 'Phone' BIS 6751 (3 lines)

Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18  
CLAPHAM, S.W.11

## TO-MORROW MAY BE TOO LATE

STOP THE MOTH TO-DAY  
with

## NOMOMOT

Most Deadly Protection Against  
**MOTH !**

In attractive Sachets.....from 7d. to

Gilt Boxes ..... 1/- and

Cellophane Tubes of 15 Tablets.....

Liquid Spray **NOMOFLAS**, Fly and  
Moth Destroyer....In Bottles, 2/- and

**NOMO-ODO**, Disinfectant Tablets....

Trade Terms on Request

Manufacturers of

**"NOMOMOT"**  
REGD. No. 610662

No More Moth

**LEWIS (Import & Export) LTD**

38 GREAT PORTLAND ST. LONDON W.1

## PULL-O-PART TRADE MARK FLY-CATCHER

RETAILS AT

**4<sup>1</sup>/<sub>2</sub><sup>D</sup>**



PRICE

**39/-**

PER GROSS

## ANNOUNCEMENT

The manufacturers of "PULL-O-PART" FLY-CATCHERS wish to apologise to their many friends for being unable to fulfil all orders last season and now point out that supplies of "PULL-O-PART" are now available. Supplies are limited and Chemists are advised to place their orders early through their respective wholesale houses.

SOLE MANUFACTURERS

**D. DEVON, M'FG. CHEMIST  
HENLEY-ON-THAMES, OXON**

## ORDER NOW—

This popular quick-selling line

## "POROSAN"

Fruit Caps and Skin Ring

RETAIL 3/4 DOZ. (inc. tax)

Full Trade Discounts and Generous Terms for Quantities

IN 3 PACKS

1 lb., 2 lb., and 50/50 (6 each size)

Also No. 3 Fruit Preserving Skin for seal  
fruit preserved with Campden solution  
and for chutneys, pickles, etc. Retail  
1/- and 2/9.

Sole Distributors to the Trade:

**S. MAW, SON & SONS, LTD.**  
Aldersgate House, NEW BARNET, HERTS.

★ Don't forget to order  
replacement  
rings as well.

**POROSAN**

Fruit Preserving

**METHODS ARE BEST**

Marketed by POROSAN LTD., 65/6 Chancery Lane, W.C.2



# PROMPT DELIVERY FROM STOCK

**CERESINE, CARNAUBA  
AND  
CANDILLILA WAXES  
EMULSION WAXES**

**SMART GOLD SEAL  
LABELS**

**FRAGRANT TONIC  
HAIR CREAM**

**MY LADY'S VANISH-  
ING CREAM**

**COLD CREAM—FOR  
LOVELINESS AND  
CHARM**

**DE LUXE SETTING  
LOTION**

**LUXURY BATH  
SALTS**

**CLEANSING CREAM  
ANTISEPTIC SKIN  
BALM**

**TECHNICAL WHITE  
OIL**

**LIQUID PARAFFIN,  
B.P.**

**CASTOR OIL, B.P.  
RAPE SEED OIL  
SULPHONATED  
CASTOR OIL**

**GOLDEN OIL DYE  
GREEN OIL DYE  
ALL COLOURS IN  
WATER, OIL AND  
SPIRIT SOLUBLE  
DYE STUFFS**

## EMULSIFIERS

that need the addition of  
water only to make

**BRILLIANT WHITE  
HAIR CREAM  
PEARLY VANISHING  
CREAM**

**COLD CREAM AND  
POWDER BASE  
BRUSHLESS SHAV-  
ING CREAM**

**SETTING LOTION  
DEODORANT  
CREAM**

**ANTISEPTIC SKIN  
BALM**

equal to best pre-war pro-  
ducts. Formulae and all  
details supplied on request.

**PETROLEUM JELLY,  
B.P. WHITE, AMBER,  
GREEN**

## BEAUTIFUL BOTTLES AND JARS

With screw caps and corks,  
2,000 gross in stock.

### TINS

Gold-lacquered and plain,  
1 oz., 2 oz., 4 oz., 8 oz.,  
10 oz., 16 oz. Slip and  
lever lids.

### CARTONS AND CASES

Various sizes. Send for list.

### SCREW CAPS AND CORKS

Large stocks, various sizes.  
Send sample jar or bottle  
and let us quote.

### SISTEM

Ration Book Binders. Each  
hold four books. Save  
LOSS, TIME, TEMPER.  
Retail 1/3 each.

## FASHENE DE LUXE FURNITURE CREAM

Made of finest waxes  
blended by qualified che-  
mists. Retail 2/6 large  
10-oz. jar.

### FASHENE FLOOR POLISH

Best quality wax polish  
by registered manufac-  
turers. Retail 1/- large  
4-oz. tin.

### SILKY SKIN

Depilatory Bands. Used by  
smart women to remove  
unwanted hair. Retail 6d.  
each. In 1 gross cartons.

### SEALVELOPES

Eliminate envelopes.  
ARMY, NAVY, AIRFORCE  
and CIVILIAN DESIGNS  
6d. packets.

### MULTISHAVE

Safety razor blade sharp-  
eners for extra clean,  
smooth shaves. Retail 1/6  
each. In 3 dozen cartons.

**GUM TRAGACANTH  
AI  
METHYL CELLULOSE**

**TRIPLE PRESSED  
STEARIC ACID  
HARDENED WHITE  
FATTY ACID**

**OLEIC ACID**

**LANOLINE**

**GLYCERYL**

**MONOSTEARATE**

**PRECIPITATED**

**CHALK**

**BORAX;**

**POWDERED, B.P.**

Send stamp for details, stating lines in which you are particularly interested to

**The BRITISH SURGICAL & DRUG CO., LTD.**

FORTRESS GROVE, LONDON, N.W.5

Tel. Gulliver 3474 (3 lines)

# MISCELLANEOUS OPPORTUNITIES

## CHEMISTS! Prepare for Summer with "Mattene" Liquid Stocking Colour

in three popular shades  
**BEIGE TAN GUNMETAL**

At 8/- per lb. and 7/9 per lb. for 7 lbs.  
any one colour, 7/- per lb. for 28 lbs. of  
assorted colours.

Envelopes (Beige and Tan) 4/- per 100  
Formula supplied with order

**HARMAN DIETETIC LABORATORIES LTD.**  
107 Cricklewood Broadway, N.W.2

**EMULSIFYING AGENTS and SELF-EMULSIFYING  
WAXES** for SALE in minimum lots of five cwt.,  
at prices ranging from £14 to £67 per cwt. These  
products are suitable for pharmaceutical cosmetic  
and agricultural emulsions. Full details on  
application to

**Messrs. LABORATORY FACILITIES, LTD.**  
192 WINDSOR LANE, BURNHAM, BUCKS.

**PRICE TO WHOLESALERS**  
**PETROLEUM JELLY, WHITE, 2 oz. Pots, 54/- gross**  
**PETROLEUM JELLY, Yellow, 2 oz. Squat tins, 30/- grs.**  
**AUSTERITY CREAM, 2-oz. Squat Jars - 15/- doz.**  
Large Wholesale enquiries welcomed, other lines  
to follow.

**HINTON MANUFACTURING COMPANY**  
72 Shaftesbury Avenue - LONDON, W.1

**Midland Manufacturer can undertake complete packaging of dry powders in sprinkler or lever lid drums. All packages supplied if required. Could also help with marketing. Box 602/629, C. & D. London Office.**

## COATED MEDICINAL TABLETS

Manufacturing Chemists of highest standing and with most modern machinery and fully equipped analytical laboratory, are prepared to entertain one or two important contracts. Minimum quantity, one million tablets. Laboratory control at every stage of operation. Send enquiries to:—Box 466A, Smiths, 100 Fleet Street, London, E.C.4.

Several thousand discriminating Pharmacists being regularly supplied with:—

## RAW MATERIALS OF BEST QUALITY

for commercial formulae manufacture, including:

Oils, Waxes, Gums, Herbs and Roots.  
Oil Colours, Spirit and Water Dyes, Conc. Powder Colours.  
Conc. Perfume Essences.  
Chemicals and Solvents.  
Glassware Containers, Ointment Tins, etc.

*Lists and Samples on Request*

**Chemical Manufacturing Laboratory, Ltd.**  
Brook Works, Brook St., Tavistock, Devon

20,000 2" Diameter Glass Paper Weight Magnifier  
Ideal for Stamp Collectors and numerous other  
purposes. Price 108/- per gross Nett. Carriage  
Paid. Also write for list of attractive Sun Glass  
and Spectacle Frames manufactured by—

**BOURNE OPTICAL CO.**  
2 Windham Road, Bournemouth, HANTS.

## METAL & LEATHER FLAPJACK

Manufacturers:

**METAG LTD.**

26a CUTHBERT STREET, W.2  
Phone: PAD 3768, 4210

## LIPSTICK CASES 11 mm

Limited stocks available in Bakelite and  
Plastic at 12/-, 15/-, 17/6 doz., also very  
attractive Cardboard Cases 30/- and  
45/- gross. All plus 100% P.T.

**SUN-SPECS.** Book your orders now  
for later deliveries; excellent range  
from 84/- doz.

**M. CLEMENTS (Chemists Sundries) LTD**  
57-58 Wells Street, London, W.1

## EXCEPTIONALLY GOOD OFFER

Large Stocks carried **Petroleum Jelly B.P.** Pack-  
in attractive 2 oz. Vase Shaped Jars; Yellow B.P.  
60/- per gross; White B.P., 66/- per gross. Also  
Large 2 oz. Tins Yellow, 42/- per gross. All goods  
plus 163 P.T. Write for Wholesale Terms

**IMPERIAL LABORATORIES**

481 Great West Road, Hounslow, Middlesex.

**"HARCOL PRODUCTS." LIQUID PARAFFIN** 6  
bottle 148/- grs. **PEROXIDE HYDROGEN** 4-oz. bottle  
grs. **CALAMINE LOTION** 2½ oz. bottle 56/- grs. **G**  
**MIXTURE** 6 oz. bottle 99/- grs. **PETROLEUM JELLY** 2  
tin 31/- grs.

Above are strictly wholesale prices for minimum order  
of 5 gross. 2½% 7 days cash. Only wholesale supply  
Carriage Paid. **Harrison & Co., 10 The Square, St. Ann**  
Lancs. Tel. St. Annes

NOW  
AVAILABLE

## 'VET' ANIMAL MEDICINES

Reasonable stocks are now available.

We have an especially selected re-stocking  
parcel containing our most attractive and  
best selling lines. £2-6/0 inc. P.T. Carr. Paid.  
Retail value £3-16-9, from:—

**JOHN PRENTICE (LONDON) LTD.**

The Exchange, Muswell Hill, N.10  
Telephone: TUDOR 2174.

or Northern Branch:—8/6a Fenkle Street,  
Newcastle-on-Tyne. Telephone 24119.



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

APRIL 7  
1945

28 ESSEX STREET, LONDON, W.C.2.

Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of week of Issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

## OPTICAL TUITION

FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations

Particulars:—

**C. A. SCURR**, F.S.M.C., F.B.O.A., F.N.A.O.,  
F.I.O., F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

## EDUCATIONAL

### OPTICAL TUITION

For the Diploma Examinations. Particulars: The Dublin College of Optics. 10 Lower Abbey Street, Dublin.

## SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

### Employment of Women (Control of Engagements) Order 1942

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

## RETAIL (HOME)

**D**ISPENSER-BOOK-KEEPER required, either sex, for firm of doctors in country practice; accommodation available at surgery; salary according to experience. Apply, Drs. Squires and Dawson, Wantage, Berks.

**E**ASTBOURNE. An Unqualified Assistant required, lady or gentleman, for good class pharmacy. Near sea front. J. Simmons, 14 Victoria Place, Eastbourne.

**E**XPERIENCED Unqualified Assistant required in dispensing business; accustomed to staff control, able to take charge. Clean modern shop. Permanency for right man. Apply, stating experience and salary required to G. W. Scaddan & Co., Ltd., Broadway, Didcot, Berks.

**G**ENTLEMAN Pharmacist required for high-class dispensing business in the outer suburbs of London; vacant accommodation, with attractive garden and garage available to the successful applicant. Full particulars to 602/651, C. & D. London Office.

**H**ULL. Qualified Manager wanted for modern Pharmacy in suburb, a comfortable post, one unqualified assistant kept; a permanent position for suitable applicant. Write, stating salary with references and experience, to G. S. Fanthorpe, Chemist, Church Street, Sutton-on-Hull.

**M**ANAGER, exempt military service, South-West London suburb. Good prospects. Living accommodation available. Apply "A," 601/617, C. & D. London Office.

**M**IDLAND Drug House has several vacancies indoors and outside; applicants must have thorough experience of the trade. Full particulars to 602/652, C. & D. London Office.

**P**HARMACIST, under 40, discharged Forces or otherwise exempt, required for locum duty (retail) this summer, followed by permanency in wholesale department for suitable man. London S.W. area. Commence £400 p.a., with annual increment of £50 to £600. Previous wholesale experience not necessary, but a good knowledge and experience of up-to-date retail practice is essential. All replies treated in confidence. 603/666, C. & D. London Office.

## A LIMITED SUPPLY OF CONTROLLED LINES AT CONTROLLED PRICES.

Saccharin Tablets, Packets 100's  
Side, Tail and Dressing Combs.

ALSO—Hair Curlers; Hair Wavers; Lipstick Refills; Metal Lipstick Cases, slide action; Wooden Lipstick Cases, slide action; Vanishing and Cold Creams; Shampoo Powders; Block Rouge.

Price List, One Penny. Postal communications to—

**SIR JOHN PRATT & CO.**

89 Forset Court, Edgware Rd., London, W.2

Telephone: PADdington 4104.

## OFFERED

**TINS.** Enquiries invited for 1 and 2 oz. Gold Lacquered tinplate for ointment or pills. Prompt delivery 50 gross upwards one size.

Three tons Higher Secondary Fatty Alcohol Emulsifier Base (Cosmetic quality), 2/6 lb. for 1 ton.

Salicylic Acid B.P.; Eucalyptus Oil B.P.; Lemon Oil B.P.; Geranium Oil; 7 lbs. upwards. 100 lbs. Hexamine Tabs. Grs. 5. Box No. 623, c/o Pool's, Aldwych House, London W.C.2

edroppers, 30/- grs.; Mascara Brushes, 54/- grs.; Pram urness, leather, 39/- doz. no tax. Hair Nets, half-asting, 21/6 grs.; Snoods, 6/- doz. Leather Covered riting Pads, 4/6 each: One-third tax. Dressing Table rrors, 6/3 each; Mirrors in Wallets, 5/9 doz. 100% tax. lectric Lamps—less up to 33 1/3% discount. Stamp for list. rrringtons (London Office); 2 Berridge Green, EDGWARE dlesex. Telephone: EDGware 3610.

Sa-Dana Shampoo Powders, 36s. gross; Evening Glory Shampoo Powders, 36s. gross; Leatherette Powder Compacts, 54s. dozen; Lipstick Refills (registered manufacture), 12s. dozen; Powder Puffs, 10s. dozen; Metal Hair Curlers, Dinkie type, 21s. and 30s. gross; All elastic Hair Nets, 45s. gross. Prices are Incl. P.T. Anthony Trading Supplies, Ltd., 247 Regent St., London, W.1.

**ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD.**, invite applications from Qualified Pharmacists for the position of Manager; Unqualified Assistants also required; good post-war prospects and holidays with pay. Apply, in writing, stating age, experience, salary required, and position under the National Service Act or Registration for Employment Order, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

**REPRESENTATIVES** required to obtain orders for Petroleum Jelly, Liquid Paraffin, Stearic Acid, Technical White Oil, Borax, Waxes, Gums, Oils, Dyes, Labels, Perfumes and Emulsifiers requiring the addition of water only to make excellent preparations, far superior to most obtainable at present. Also for bottles, jars and tins, screw caps, cartons, cases, etc. The British Surgical & Drug Co., Ltd., Fortess Grove, London, N.W.5.

**SIGHT-TESTING** Optician. A fully-qualified Optician required by Gamages of Holborn. Permanent position. Apply personally any morning except Saturdays to the Staff Manager.

**SOUTHEAST-ON-SEA.** Pharmacist-Superintendent for easily conducted business; lady or gentleman. Comfortable working conditions. Angus Grant, Ltd., 74 Sutton Road, Southend-on-Sea.

**UNQUALIFIED** Assistant required for busy Retail Pharmacy; scope for experience and ability; permanency. Reply, giving full particulars, to W. Bates & Co., Ltd., Chemist, 25 Oxford Street, Southampton.

**WANTED**, Experienced Dispenser. Please apply, Dr. L. R. King, Stow-on-the-Wold. Tel.: 25.

**WANTED** Qualified Dispenser N.H.I. for Midland city. Apply in confidence to 603/669, C. & D. London Office.

### LOCUMS WANTED

**LOCUM** required for 8 weeks, shortly. Applications, stating terms and free periods, etc., to be addressed to Superintendent Chemist, Dewsbury Pioneers' Industrial Society, Ltd., 41 Northgate, Dewsbury.

**LOCUM** wanted for two weeks commencing June 4. Full staff; no Sunday or half-day duty. Good salary offered. Browne & Gradidge, The Chemists, Andover, Hants.

**LOCUM** required for 4 weeks April (qualified). Write, stating terms and references to G. S. Fanthorpe, Chemist, Church Street, Sutton-on-Hull.

**QUALIFIED** Locum required for holidays. About eight weeks, any time Summer season. Apply Managing Director, Lewis Wing, Ltd., Regent Street, Weston-super-Mare.

**QUALIFIED** or Unqualified Locum, male or female, required for Cheshire Pharmacy, 12 miles from Manchester, for 4 week period during the summer. Must be capable dispenser. 603/665, C. & D. London Office.

**QUALIFIED** Locum required, two weeks, chiefly for N.H.I. dispensing. Applications, stating terms and available dates, to Bradley Embleton (Chemists), Ltd., 353 Roman Road, Bow, E.3.

**STUDENTS** willing to assist holiday relief during vacation. Apply 601/607, C. & D. London Office.  
**£20** plus travelling expenses for two weeks Locum duty. Qualified lady or gentleman to relieve proprietor who would like to take a holiday sometime during the summer. Home County riverside town. Adequate staff kept. Please state available dates. 603/664, C. & D. London Office.

### WHOLESALE

**A** new established Manufacturing Firm is requiring a smart intelligent Man to call on Hospitals, Doctors, and Wholesalers, London and adjacent counties. Previous representative experience unessential, but should be able to interview a doctor intelligently. Salary and expenses. Exempt National Service. Apply, 602/655, C. & D. London Office.

**ASSISTANT** Sales Manager for leading North England Proprietary Medicine House; must have had experience in the Field and Sales Department. Able to handle important contacts, to control sales staff and supervise sales office records. Applicants must state age, full details of experience, name of past and present employers (in confidence), at salary required, to 602/656, C. & D. London Office.

**APPLICATIONS** invited from young energetic men with selling experience to take charge sales to hospitals, etc. Duties will include control small outside staff in addition to completion competitive tenders. Preference given to men with hospital experience and with professional qualifications. Apply, giving age, experience, etc., to 603/67, C. & D. London Office.

**ENERGETIC** and capable Salesmen required in all Counties for nationally advertised Manufacturers and suppliers of Insecticides, Fungicides and Seeds, etc. Liberal expenses and commission. Apply Nuttalls Products, Ltd., Kingston-on-Thames.

**LADY** Shorthand Typist junior required for Export Merchants City Office. Permanent position. Office hours 8.30 to 4.30, five day week. Write B.1092, Frost-Smith Advertising, 64 Finsbury Pavement, E.C.2.

**MANAGER** required for central distribution Warehouse, qualified or unqualified, to control the distribution of goods to branch pharmacies. Permanent berth. Bannister & Thatcher, Ltd., 1 Caldmore Road, Walsall.

**MANUFACTURERS** and Distributors of Medical and Toilet Preparations seek Representatives for certain territories, calling on Wholesalers, Chemists, Grocers, Co-op. Societies, etc. Liberal commission rates. Write, giving full details territory worked, experience, etc., to 602/64, C. & D. London Office.

**QUALIFIED** Chemist and Optician required for established firm offering responsible position with excellent prospects. State full particulars age, experience, salary required, etc. 603/657, C. & D. London Office.

**REPRESENTATIVES:** Progressive firm offers permanency with excellent post-war prospect for really sound men to call on Medical Officers, etc. in Industry. Remuneration by salary, commission and expenses. Applicants resident in (1) London (2) Leeds, (3) Newcastle, (4) Bristol, should send full particulars of age, past experience, salary earned, etc., to 602/645, C. & D. London Office.

**SALESMAN** required by leading Toilet Preparations Manufacturer in Northumberland, Durham, Cumberland and Westmorland. Salary, commission and expenses. Excellent post-war prospect. Send fullest details to 603/668, C. & D. London Office.

**THE** Pharmaceuticals Division of Imperial Chemical Industries, Limited, has a Vacancy for Pharmacist or person with other technical qualifications, experienced in the preparation and writing of technical literature, leaflets, brochures, etc., of medical and veterinary speciality products, for presentation to the medical and veterinary professions. Applications with full particulars, including liability under Armed Forces Act, should be addressed to the Staff Department, Hexagon House, Blackley, Manchester, 9.

**UNQUALIFIED** Assistant wanted by old-established London Manufacturing House. Required to help in a general way in several departments. Fair knowledge of drugs and chemicals. Permanency. Full particulars, experience, salary, age, etc., in first letter. 603/662, C. & D. London Office.

**VARIOUS** territories vacant for first-class salesmen with established connexions chemists, store and allied trades. Excellent scope for men not afraid of pioneering new proprietaries which have been well tested prior to production. Quality products with definite post-war market. Salary, commission and expenses or would consider good commission men carrying non-competitive lines. State fullest particulars in first letter to Harcombe Coopers (Sales), Ltd., 59 Bardon Chambers, Infirmary Street, Leeds, 1.



**VACANCIES** open for certain territories for distribution of Outdoor Girl and Miner's preparations; only first-class representatives considered in contacts already established. Write full details age, experience, territory worked, etc., to Crystal Products Co., Ltd., 7 Stanhope Terrace, London, W.2.

**WANTED.** Full-time Representative having good connexion London Stores and Co-ops to push lead lines. Apply 603/667, C. & D. London Office.

**VALLACE HEATON, LTD.,** require photographic salesman, preferably chemist trained; permanency and first-class prospects for suitable applicants who are interested in the photographic trade. 127 New Bond Street, London, W.1.

**WORKING CHEMIST (M.P.S.)** required by London Manufacturing Chemists. Work includes charge of Poisons and Dangerous Drugs. Permanency. Full particulars of experience, salary, age and ability for National Service in first letter please. 3/661, C. & D. London Office.

**WORKING Forewoman** required by old-established manufacturers, Wembley district, full time; to assist departmental superintendents and to charge small number girls in order-assembly and packing department; modern factory; essential work; good conditions; opportunity permanent position. Particulars experience, age, and wages required, to 602/635, C. & D. London Office.

## SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

**CHEMIST'S Assistant**, shortly disengaged, good references and business experience. Reply to "Chemist," Branksome, 41 Taunton Road, Bridgwater, Somerset.

**PHARMACIST**, exempt, requires situation in which his services would be employed to maintain a dispensing service. Reasonable hours and salary. Birmingham and South Staffs area essential. 3/663, C. & D. London Office.

**W. COUNTIES.** Middle-aged ex-proprietor (30 years last pharmacy) would consider engagement; definite early succession; strict confidence. 602/628, C. & D. London Office.

### WHOLESALE

**first-class representative**, 45, excellent connexion of over 10 years' standing, leading chemists, etc., South-West England and South Wales, is desirous of excellent representation. CDB/376, C. & D. London Office.

**Representative resident Bromley, Kent**, desires to get in touch with a reputable firm in Packed Goods or Drugs. Permanent position desired. First class experience and references. 603/660, C. & D. London Office.

**FOURTEEN years' experienced Representative** desires post with reputable house, Southern England; Chemist and Toilet Sundries; recently discharged from Forces. 602/653, C. & D. London Office.

**PHARMACIST Representative**, now engaged Retail, wishes preliminary Contacts with view arranging for post (European)-war engagement Wholesale or other sphere offering appropriate scope. Age 49. Wide retail and representative experience. Thoroughly conversant all branches. First-class connexion West Country and S. Wales. Good correspondent. Capable organiser. Area supervision (wholesale or retail), Trade Association, press or similar activity considered. CDB/382, C. & D. London Office.

**PUBLICITY.** Lady Assistant Manager, 16 years' experience high-class technical advertising (wholesale drugs/pharmaceuticals), desires change. Knowledge layout, printing processes, etc. Ability plan advertising/marketing campaigns, home and export. Practical experience exhibitions, display, etc. 601/591, C. & D. London Office.

**REPRESENTATIVE (36)**, educated, experienced, keen, energetic, desires Change. Chemist/Stores connexion West of England. Proved sales record and references available. Offers invited. Please write: CDB/381, C. & D. London Office.

**YORKSHIRE Representative**, well known, very successful connexion wholesale and retail chemists, co-ops., etc., is now available to accept responsible representation of well-known reputable firm on a basis of salary, expenses, and commission; own car. 602/650, C. & D. London Office.

## APPOINTMENTS

**ASSISTANT PHARMACIST** required, £300 per annum. Superannuated. Applications as soon as possible to House Governor, Chesterfield and North Derbyshire Royal Hospital, Chesterfield.

### BRADFORD GENERAL MUNICIPAL HOSPITAL (ST. LUKE'S)

Applications are invited from women pharmacists with hospital experience for the post of Junior Assistant PHARMACIST. Salary £260 plus war bonus; present rate £40 per annum. Preference would be given to candidates with B. Pharm. Degree or Ph.C. Diploma. Applications with copies of testimonials to be sent to the Medical Superintendent, St. Luke's Hospital, Bradford.

**QUALIFIED LOCUM** required for two weeks in the summer; dates to be arranged. Salary six guineas per week. Apply Apply Dispenser, Durham County Hospital, Durham.

**TEMPORARY ASSISTANT PHARMACIST** required for the period of the war, male or female (male applicants should be reserved or otherwise exempt from serving with the Armed Forces); preference will be given to applicants who have had recent hospital experience, with M.P.S. or higher qualification. Commencing salary at the rate of £210 per annum, F.S.S.N.H.O.(C) in force. Application should be made in writing to THE SECRETARY-SUPERINTENDENT, ROYAL GWENT HOSPITAL, NEWPORT, Mon.

## MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less.

**FOR** disposal, 14 doz. original Bottles of A.P.C. Tablets by good makers. 21s. per 1,000, including Tax. 5,000 post free. H. Lever & Co. (Leeds), Ltd., 51d New Briggate, Leeds, 1.

**FURMAN'S** Pressure Filler, with safety valve, pressure gauge and stand, new condition, £25 10s.; Pascall No. 00/659 Sifter, complete with 1-h.p. motor and starter, etc., new condition, £65. Kaputine, Ltd., Hollinwood, Oldham.

**MAHOGANY** Shop Fittings and Show-cases, approx. 50-ft. run, average height 13 ft. 6 in.; glass-fronted swing door tops, drawers below; also Cash Desk, four shop back panels, two mirrors 5 ft. x 5 ft., all first class. Would sell part. Price £450 the lot. Taylor, 149 Northcote Road, S.W.11. Batt. 8366.

**NAME** Plates and Signs for Chemists neatly engraved. Send wording for full-size sketch and list. (Enclose 3d. stamps.) G. Male & Son, Ltd., Engravers, 367 Euston Road, London, N.W.1.

**TO** clear, 500 gross 2-oz. Slip-lid Tins, new, unprinted; what offers? Reply, BCM/375, W.C.1.

## PREMISES FOR SALE

**WHOLESALE and Retail Chemist Business** (London, S.E. 18) for Sale, together with the freehold property consisting of Shop with Rooms at back and residential accommodation over. Write Box Reynells, 44 Chancery Lane, W.C.2.

## AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

**A** GENT with large established connexion Chemists, Co-ops, and Stores, London and South-eastern Counties, already representing first-class food house, desires additional Agency for house of repute marketing lines with present and post-war appeal. 600/560, C. & D. London Office.

**A** RELIABLE Parsee Firm of nearly fifty years' standing in Bombay, and representing British firms and manufacturers, desires further Agencies in patent medicines, drugs, chemicals, toilet requisites, provisions, paper, cutlery, etc. Messrs. Framjee & Son, P.O. Box 542, Fort, Bombay, 1, India.

**G**ENTLEMAN having long experience calling on Chemists, etc., age 40. Own Offices and storage accommodation convenient to docks in Northern Ireland, desires to contact reputable Manufacturing firm with view of preparing development of post-war trade. Agency basis or full-time appointment considered. Highest references. 603/658, C. & D. London Office.

**O**NE of the largest and best-known companies of Distributing Agents covering the whole of the British Isles are prepared to accept one more product as sole distributors; 100 per cent. distribution guaranteed with the pharmaceutical trade. All sales are under the organisation of the managing director, who is a Member of the Sales Managers' Association. Only a product suitable for chemists entertained, as all sales are restricted to that trade. The company would prefer a pharmaceutical product but toilet product not objected to. Write, 600/570, C. & D. London Office.

## EXPORT TRADE

**M**ESSRS. DINKER & Co., 88 Vithalbhai Patel Road, Bombay, 4, invite connexions from competitive manufacturers and reliable exporters handling Chemicals and Drugs. Bankers: Eastern Bank, Ltd., Bombay; National Bank of India, Ltd., Bombay. Reference: M/S. Biddle Sawyer & Co., Ltd., Empire House, London.

## WANTED

7/6 for 36 words or less, 2d. for every additional word.

**A** CETPHENETIDIN and Acetylsalicylic Acid required in large or small quantities; highest market prices paid. 602/654, C. & D. London Office.

**A** CTUAL user would like to purchase Triethanolamine and Cetyl Alcohol. Best prices paid. 601/599, C. & D. London Office.

**A** CTUAL Purchaser will pay top price for Aspirin or Phenacetin Powder or Granules. 598/487, C. & D. London Office.

**A** LL types of Bottles up to 6 oz. required. Large or small quantities. Would exchange 20-oz. Bottles (with screw caps) if desired. Particulars and prices to Hankeys, Ltd., Brierfield, Nelson, Lancs.

**A** NY quantity: Cascarella, Patchouli, Sandalwood, Petitgrain required by manufacturers. Quotations to CDB/379, C. & D. London Office.

**A** NY quantity, large or small, Rhodinol, Geranium Oil, Vetivert Oil, Vetivervil Acetate, Anisaldehyde, Diphenyloxide, Coumarin, Acetophenone, and Musk Art. CDB/380, C. & D. London Office.

**A** UTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holway, N.19.

**B** OTTLERS. Number 3 and 5 tablet bottles required by packers of Proprietary Medicines. State type of cap, quantity available, and price to 603/659, C. & D. London Office.

**C**ASH Registers, National, Remington, and Gledhill. Wanted for spot cash. All sizes, immaterial, any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street, Oxford Circus, W.1. Phone MUSeum 0941. Repairs, Sales Exchanges, Supplies, Rolls, Ribbons, etc.

**P**ARAFFIN LIQ. B.P. urgently required for medicinal use; small quantities or 40-gallon barrels. Offers to Clark, Chemist, Dorchester, Dorset.

**S**ACCHARIN Tablets wanted in any quantity. Pharmacist whose premises has been damaged by enemy action. Urgently wanted. Cash waiting. 602/631, C. & D. London Office.

**U**RGENTLY required for manufacturing purpose. Spike Lavender, Bois de Rose, Linalol, Linal Acetate, Bergamot Oil. Please quote CDB/378, C. & D. London Office.

## BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

**L**ONDON (NORTH-WEST AREA). Wholesale business with old-established connexion purchased by present owners about twelve months ago, since when the turnover has increased to a very substantial figure. Net profit estimated at approximately £3,000 per annum. Total capital requirements about £4,500. Further particulars to genuine prospective purchasers upon application to Ernest George & Co., 329 High Holborn, London, W.C.1.

**25 YEARS'** established sound Business of Surgical Belt-maker and allied lines, with good Sundries ready for post-war, complete with machine, fixtures, fittings and factory; freehold. Fair stock of materials. Price about £10,000. Near Nottingham. Apply Walter Clayton, Incorporated Accountant, Milton Street, Nottingham.

## BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

**I**MPORTANT Notice to Essence Manufacturers. To meet an established demand covering the sands of Grocers and Chemists in the United Kingdom, advertisers would be glad to contact manufacturers of first-class Essences. Small packages from 1 c upwards are required. Write Box ZX.201, Deacons 5 St. Mary Axe, London, E.C.3.

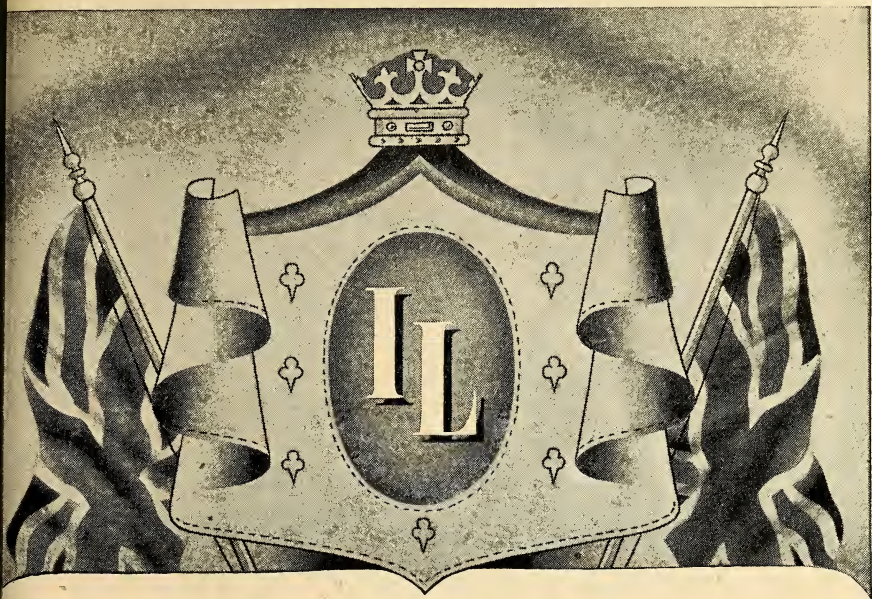
**L**ARGE Firm of Wholesalers, Distributors and Buying Agents, with thousands of active accounts on their books covering the whole of the United Kingdom, wish to contact manufacturers of present and post-war lines suitable for Chemists, Hairdressers and Departmental Stores; financial arrangements. Box 602/649, C. & D. London Office.

**L**ARGE company of Distributors and Manufacturers with 30,000 accounts in the Chemist and Grocery Trades will consider sole distribution including invoicing and Collecting of accounts, for additional lines possessing possibilities of large turnover. Prepared to finance advertising if necessary. 595/393, C. & D. London Office.

**P**ROPRIETARY PRODUCTS. An important firm of Manufacturing Chemists with a world-wide sales organisation would like to contact firm or individuals who may possess established lines, new ideas for lines, suitable for packing into small units for sale through the Retail Chemist or Grocer trade, with a view to post-war expansion. Reply to this advertisement should give full particulars which will be treated with the strictest confidence. Address 601/608, C. & D. London Office.

**T**HE EMMET DISTRIBUTING CO., LTD., 1 Park Lane, London, W.1, are prepared to consider one more product for sole distribution. The product offered must be of outstanding merit and one for which sales are assured (C.F. preferred). Advertising would be undertaken if necessary, and warehousing and dispatch facilities are available. Replies, in confidence, to Managing Director.



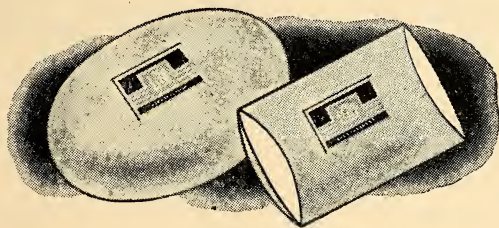


# IMPERIAL LEATHER

*The Aristocrat of Toilet Soaps*

The superb quality of Imperial Leather Toilet Soap has created a demand amongst discriminating people considerably in excess of present supply facilities. We feel sure the trade will appreciate

that in the circumstances delays in meeting orders are unavoidable, but we assure them that every effort is being made and will be made to secure equitable distribution.



**Cussons** SONS & CO., LTD., KERSAL VALE, MANCHESTER 7



*A name that is supported by  
an organization with wide  
experience and highly  
specialized equipment  
which is under the control  
of qualified chemists*



FOUNDED 1839

**ARTHUR H. COX & CO. LTD. BRIGHTON**

ONE OF BRITAIN'S LEADING  
MANUFACTURING CHEMISTS